DOCUMENT RESUME

ED 391 653 SE 057 403

TITLE	Bibliography of Freshwater Awareness Materials = Documentation sur la sensibilisation a l'eau douce. Bibliographie.
INSTITUTION	Environment Canada, Ottawa (Ontario).
REPORT NO	ISBN-0-662-20638-X
PUB DATE	93
NOTE	311p.
AVAILABLE FROM	Environment Canada, Information Services, Ecosystem Sciences and Evaluation Directorate, Ottawa, Ontario, Canada K1A 0H3.
PUB TYPE	Reference Materials - Bibliographies (131) -- Multilingual/Bilingual Materials (171)
LANGUAGE	English; French
EDRS PRICE	MF01/PC13 Plus Postage.
DESCRIPTORS	Environmental Education; Foreign Countries; Marine Biology; *Water Resources
IDENTIFIERS	Canada; *Freshwater Systems

ABSTRACT

The importance of educating Canadians about their water resources is the mandate of many government and non-government agencies and groups. The aim of this bibliography is to outline what is presently available in this area in order to identify gaps in the development of water education programs and products. This educational tool has been prepared for schools (teachers, students, and librarians), environmental organizations, government, business, the general public, and other audiences who are searching for materials of a general, non-technical, and non-scientific nature. It contains over 400 English and 50 French references to documents including books, audiovisual materials, and curriculum resources. The main focus is on Canadian products but a sampling of materials from other countries is also included. Each document is indexed according to primary geographic area, target audience, and material type designation, and is cross-referenced where possible. The five target audience divisions are: general public; educators; students; groups and associations; and policy-makers, managers, and administrators. The contents of this bibliography are also available online as a sub-set of AQUAREF, an Environment Canada computerized database accessed through CAN/OLE. (JRH)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED 391 653

Environmental
Citizenship

"PERMISSION TO REPRODUCE THIS
MATERIAL HAS BEEN GRANTED BY
P. Logan

TO THE EDUCATIONAL RESOURCES
INFORMATION CENTER (ERIC)"

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)
☒ This document has been reproduced as received from the person or organization originating it
☐ Minor changes have been made to improve reproduction quality

- Points of view or opinions stated in this document do not necessarily represent official OERI position or policy

A Bibliography of
Freshwater Awareness Materials

SE057403

Environment Canada · Environnement Canada

Canada

BEST COPY AVAILABLE

The references cited in this bibliography are on AQUAREF, Canada's national bibliographic database covering all aspects of water resources and other related environmental information. AQUAREF, which contains over 80 000 references, is produced by Information Services, a Section of the Ecosystem Sciences and Evaluation Directorate. The database is available on the CAN/OLE system of the Canada Institute for Scientific and Technical Information (CISTI), National Research Council Canada.

AQUAREF

Information Services
Environment Canada
Ecosystem Sciences and Evaluation Directorate
Ottawa, Canada, K1A 0H3
(819) 953-1532

Environmental
Citizenship

A Bibliography of
Freshwater Awareness Materials

FRESHWATER SERIES

Published by authority of
the Minister of the Environment

Over 50% recycled paper
including 10% post-
consumer fibre

M - Official mark of Environment Canada

The paper used for the text of this report
meets the Environmental Choice Program guidelines

© Minister of Supply and Services Canada 1993
Cat. N° En37-102/1993E
ISBN 0-662-20638-X

BEST COPY AVAILABLE

The role of educating Canadians about their water resources is the mandate of many government and non-government agencies and groups. The efforts over the past few years have been varied and sporadic. However, the attempt is presently being made to tackle the job with more direction and a clearer perspective. In order to develop future water education programs and products it is important to determine what is presently available so that we can identify the gaps and proceed accordingly. Time, effort and money are too precious to waste on redundant projects. It is hoped that this bibliography will help to provide this clearer direction.

A Bibliography of Freshwater Awareness Materials is offered as an educational tool for schools (teachers, students, and librarians), environmental organizations, government, business, the general public and other audiences who are searching for materials of a general, non-technical and non-scientific nature. It contains over 400 English and 50 French references to documents -- including books, audiovisual materials and curriculum resources. Key government agencies and environmental organizations were surveyed and relevant materials were requested for inclusion. An effort was made to concentrate on items produced in Canada. However, the U.S. experience in the field of water education is recognized as long-standing, relevant and appropriate and various programs and products were also selected for inclusion.

As noted on the inside cover, the contents of this bibliography are also available online as a sub-set of AQUAREF, an Environment Canada computerized database accessed through CAN/OLE. Both the online version and the print edition presented here represent only a portion of the materials available and both will be updated as the need arises.

It is hoped that this publication will assist those individuals and groups who are involved in activities which promote the increased knowledge, understanding and responsible action of Canadians toward our most vital resource -- water.

6

TABLE OF CONTENTS

PREFACE i

TABLE OF CONTENTS iii

INTRODUCTION xv

HOW TO USE THIS BIBLIOGRAPHY xvii

SOME ADDED COMMENTS xxiii

A. CANADA 1

1. GENERAL PUBLIC 1

Directories, Catalogues 1
Books, Booklets 1
Fact Sheets, Brochures, Leaflets 3
Guides 8
Guides - Non-Classroom Use 9
Collected Works 9
Journal Articles 10
Audiovisual Material 12
Information Analyses, Viewpoints 12

2. EDUCATORS 13

Information Analyses, Viewpoints 13
Elementary Secondary Education 13
Teaching Guides 13
Elementary Education 13
Teaching Guides 13
Creative Works (Literature, Cartoons ...) 13
Primary Education 14
Journal Articles 14
Intermediate Grades 14
Guides - Classroom Use 14
Teaching Guides 14
Audiovisual Material 15
Secondary Education 16
Teaching Guides 16
Audiovisual Material 16
Computer Programs 16
Junior High Schools 16
Teaching Guides 16
Audiovisual Material 17
High Schools 17
Books, Booklets 17
Guides - Classroom Use 17

3. STUDENTS 18

Elementary Secondary Education 18
Guides 18
Elementary Education 18
Instructional Material 18
Posters, Charts 18

TABLE OF CONTENTS

Primary Education 18
  Instructional Material 18
  Creative Works (Literature, Cartoons ...) 19
Intermediate Grades 19
  Books, Booklets 19
  Fact Sheets, Brochures, Leaflets 19
  Instructional Material 19
  Journal Articles 20
  Creative Works (Literature, Cartoons ...) 20
Secondary Education 21
  Books, Booklets 21
  Fact Sheets, Brochures, Leaflets 21
  Guides 22
  Instructional Material 22
  Serials, Journals 22
Junior High Schools 22
  Fact Sheets, Brochures, Leaflets 22
  Instructional Material 22
High Schools 23
  Descriptive Reports 23
Postsecondary Education 23
  Descriptive Reports 23
  Fact Sheets, Brochures, Leaflets 23
  Guides 23

4. GROUPS, ASSOCIATIONS 25

  Directories, Catalogues 25
  Fact Sheets, Brochures, Leaflets 25
  Guides 25
  Instructional Material 25
  Teaching Guides 25
  Audiovisual Material 25
  Information Analyses, Viewpoints 26

5. POLICYMAKERS, MANAGERS 27

  Reports 27
  Evaluative Reports 27
  Fact Sheets, Brochures, Leaflets 27
  Guides - Non-Classroom Use 27
  Journal Articles 27

B. PACIFIC & YUKON REGION 28

B1. BRITISH COLUMBIA 28

1. GENERAL PUBLIC 28

  Books, Booklets 28
  Fact Sheets, Brochures, Leaflets 28
  Journal Articles 30
  Audiovisual Material 30

2. EDUCATORS 31

  Bibliographies 31

3. STUDENTS 32

Secondary Education 32
Books, Booklets 32
Audiovisual Material 32
Postsecondary Education 32
Books, Booklets 32
Audiovisual Material 32

4. GROUPS, ASSOCIATIONS 33

Bibliographies 33
Audiovisual Material 33

B2. YUKON TERRITORY 34

1. GENERAL PUBLIC 34

Fact Sheets, Brochures, Leaflets 34
Serials, Journals 34

2. GROUPS, ASSOCIATIONS 35

Fact Sheets, Brochures, Leaflets 35

C. WESTERN & NORTHERN REGION 36

1. GENERAL PUBLIC 36

Books, Booklets 36
Fact Sheets, Brochures, Leaflets 36
Serials, Journals 36

2. STUDENTS 37

Elementary Education 37
Creative Works (Literature, Cartoons ...) 37

3. GROUPS, ASSOCIATIONS 38

Books, Booklets 38

4. POLICYMAKERS, MANAGERS 39

Fact Sheets, Brochures, Leaflets 39
Serials, Journals 39

C1. ALBERTA 40

1. GENERAL PUBLIC 40

Atlases 40
Books, Booklets 40
Descriptive Reports 42
Fact Sheets, Brochures, Leaflets 42
Guides 45
Guides - Non-Classroom Use 45

Serials, Journals 45
Journal Articles 45

2. EDUCATORS 46

Elementary Secondary Education 46
Serials, Journals 46
Journal Articles 46
Elementary Education 46
Teaching Guides 46
Intermediate Grades 46
Teaching Guides 46
Audiovisual Material 47
Secondary Education 48
Teaching Guides 48
Audiovisual Material 48
Junior High Schools 48
Teaching Guides 48
Journal Articles 50
Audiovisual Material 50

3. STUDENTS 51

Elementary Secondary Education 51
Atlases 51
Primary Education 51
Instructional Material 51
Intermediate Grades 51
Instructional Material 51
Secondary Education 52
Guides 52
Posters, Charts 52
Junior High Schools 52
Instructional Material 52
Postsecondary Education 53
Atlases 53

4. GROUPS, ASSOCIATIONS 54

Serials, Journals 54

5. POLICYMAKERS, MANAGERS 55

Books, Booklets 55
Descriptive Reports 55
Serials, Journals 55
Journal Articles 55

C2. SASKATCHEWAN 57

1. GENERAL PUBLIC 57

Fact Sheets, Brochures, Leaflets 57
Collected Works 57
Serials, Journals 57
Creative Works (Literature, Cartoons ...) 57

10

2. EDUCATORS 59

Intermediate Grades 59
  Teaching Guides 59
Secondary Education 59
  Guides - Classroom Use 59
  Audiovisual Material 59

3. STUDENTS 60

Intermediate Grades 60
  Games 60
Junior High Schools 60
  Games 60

4. GROUPS, ASSOCIATIONS 61

Fact Sheets, Brochures, Leaflets 61

5. POLICYMAKERS, MANAGERS 62

Books, Booklets 62
Fact Sheets, Brochures, Leaflets 62

C3. MANITOBA 63

1. GENERAL PUBLIC 63

Fact Sheets, Brochures, Leaflets 63

2. EDUCATORS 64

Elementary Education 64
  Teaching Guides 64

D. ONTARIO 65

1. GENERAL PUBLIC 65

Books, Booklets 65
Descriptive Reports 67
Fact Sheets, Brochures, Leaflets 68
Collected Works 75
Serials, Journals 75
Journal Articles 77
Audiovisual Material 80
Posters, Charts 80

2. EDUCATORS 81

Directories, Catalogues 81
Serials, Journals 81
Elementary Secondary Education 81
  Teaching Guides 81
  Journal Articles 81
Elementary Education 81
  Teaching Guides 81
  Creative Works (Literature, Cartoons ...) 82

Primary Education . . . 82
  Teaching Guides . . . 82
Intermediate Grades . . . 82
  Reports . . . 82
  Teaching Guides . . . 82
  Conference Papers, Speeches . . . 86
Secondary Education . . . 86
  Reports . . . 86
  Teaching Guides . . . 86
Junior High Schools . . . 87
  Teaching Guides . . . 87
  Conference Papers, Speeches . . . 87
High Schools . . . 87
  Teaching Guides . . . 87
  Journal Articles . . . 88

3. STUDENTS . . . 89

Elementary Secondary Education . . . 89
  Posters, Charts . . . 89
Primary Education . . . 89
  Fact Sheets, Brochures, Leaflets . . . 89
Intermediate Grades . . . 89
  Fact Sheets, Brochures, Leaflets . . . 89
Secondary Education . . . 89
  Atlases . . . 89
  Books, Booklets . . . 90
  Fact Sheets, Brochures, Leaflets . . . 90
  Posters, Charts . . . 90
Junior High Schools . . . 91
  Fact Sheets, Brochures, Leaflets . . . 91
High Schools . . . 91
  Fact Sheets, Brochures, Leaflets . . . 91
  Audiovisual Material . . . 91
Postsecondary Education . . . 91
  Atlases . . . 91
  Books, Booklets . . . 91

4. GROUPS, ASSOCIATIONS 92

  Directories, Catalogues . . . 92
  Books, Booklets . . . 92
  Fact Sheets, Brochures, Leaflets . . . 92
  Guides - Non-Classroom Use . . . 92
  Serials, Journals . . . 92
  Journal Articles . . . 92
  Creative Works (Literature, Cartoons ...) . . . 92
  Audiovisual Material . . . 93

5. POLICYMAKERS, MANAGERS 94

  Reports . . . 94
  Serials, Journals . . . 94
  Journal Articles . . . 94

E. QUEBEC 95

1. GENERAL PUBLIC 95

Books, Booklets 95
Descriptive Reports 95
Fact Sheets, Brochures, Leaflets 95
Journal Articles 95
Audiovisual Material 95
Maps 95
Posters, Charts 96

2. STUDENTS 97

Intermediate Grades 97
Instructional Material 97
Secondary Education 97
Books, Booklets 97
Fact Sheets, Brochures, Leaflets 97
Instructional Material 97
Maps 97
Posters, Charts 97
Postsecondary Education 98
Posters, Charts 98

3. GROUPS, ASSOCIATIONS 99

Fact Sheets, Brochures, Leaflets 99
Posters, Charts 99

F. ATLANTIC REGION 100

1. GENERAL PUBLIC 100

Books, Booklets 100
Fact Sheets, Brochures, Leaflets 100
Guides 101

2. EDUCATORS 102

Elementary Secondary Education 102
Serials, Journals 102

3. STUDENTS 103

Elementary Secondary Education 103
Guides 103
Secondary Education 103
Books, Booklets 103
Fact Sheets, Brochures, Leaflets 103
Postsecondary Education 103
Fact Sheets, Brochures, Leaflets 103

4. GROUPS, ASSOCIATIONS 104

Guides 104

TABLE OF CONTENTS

F1. NEW BRUNSWICK 105

1. GENERAL PUBLIC 105

Books, Booklets 105
Journal Articles 105

F2. NOVA SCOTIA 106

1. GENERAL PUBLIC 106

Books, Booklets 106
Evaluative Reports 106
Fact Sheets, Brochures, Leaflets 106
Journal Articles 107

2. EDUCATORS 108

Secondary Education 108
Teaching Guides 108

3. POLICYMAKERS, MANAGERS 109

Books, Booklets 109
Evaluative Reports 109

F3. PRINCE EDWARD ISLAND 110

1. GENERAL PUBLIC 110

Directories, Catalogues 110
Fact Sheets, Brochures, Leaflets 110
Audiovisual Material 112
Posters, Charts 112

2. STUDENTS 113

Secondary Education 113
Posters, Charts 113

3. GROUPS, ASSOCIATIONS 114

Directories, Catalogues 114
Fact Sheets, Brochures, Leaflets 114
Audiovisual Material 114

F4. NEWFOUNDLAND/LABRADOR 115

1. GENERAL PUBLIC 115

Audiovisual Material 115

14

G. UNITED STATES 116

1. GENERAL PUBLIC 116

- Bibliographies 116
- Directories, Catalogues 116
- Books, Booklets 117
- Descriptive Reports 120
- Evaluative Reports 120
- Fact Sheets, Brochures, Leaflets 120
- Guides 127
- Guides - Non-Classroom Use 127
- Serials, Journals 128
- Journal Articles 128
- Creative Works (Literature, Cartoons ...) 129
- Audiovisual Material 129
- Posters, Charts 130

2. EDUCATORS 131

- Directories, Catalogues 131
- Guides - Non-Classroom Use 131
- **Elementary Secondary Education** 131
  - Bibliographies 131
  - Directories, Catalogues 131
  - Teaching Guides 132
  - Serials, Journals 132
  - Journal Articles 132
- **Elementary Education** 133
  - Teaching Guides 133
  - Conference Papers, Speeches 133
  - Creative Works (Literature, Cartoons ...) 134
- **Primary Education** 134
  - Teaching Guides 134
  - Serials, Journals 134
  - Journal Articles 134
- **Intermediate Grades** 134
  - Guides 134
  - Guides - Classroom Use 134
  - Teaching Guides 135
  - Conference Papers, Speeches 135
  - Computer Programs 135
  - Posters, Charts 135
  - Information Analyses, Viewpoints 136
- **Secondary Education** 136
  - Books, Booklets 136
  - Guides 136
  - Teaching Guides 136
  - Audiovisual Material 137
  - Computer Programs 137
- **Junior High Schools** 137
  - Teaching Guides 137
  - Journal Articles 137
  - Audiovisual Material 138
  - Posters, Charts 138
- **High Schools** 138
  - Teaching Guides 138
  - Journal Articles 138
- **Postsecondary Education** 138
  - Journal Articles 138

TABLE OF CONTENTS

3. STUDENTS 140

- **Elementary Education** 140
  - Posters, Charts 140
- **Primary Education** 140
  - Instructional Material 140
  - Creative Works (Literature, Cartoons ...) 141
  - Posters, Charts 141
- **Intermediate Grades** 141
  - Dictionaries, Glossaries 141
  - Books, Booklets 141
  - Fact Sheets, Brochures, Leaflets 141
  - Instructional Material 142
  - Creative Works (Literature, Cartoons ...) 142
  - Audiovisual Material 142
- **Secondary Education** 143
  - Atlases 143
  - Dictionaries, Glossaries 143
  - Books, Booklets 143
  - Fact Sheets, Brochures, Leaflets 143
  - Guides 144
  - Creative Works (Literature, Cartoons ...) 144
  - Audiovisual Material 144
- **Junior High Schools** 144
  - Fact Sheets, Brochures, Leaflets 144
  - Instructional Material 144
  - Audiovisual Material 144
- **High Schools** 144
  - Guides - Non-Classroom Use 144
- **Postsecondary Education** 144
  - Atlases 144

4. GROUPS, ASSOCIATIONS 145

- Bibliographies 145
- Directories, Catalogues 145
- Books, Booklets 145
- Fact Sheets, Brochures, Leaflets 145
- Guides 145
- Instructional Material 145
- Teaching Guides 146
- Guides - Non-Classroom Use 146
- Journal Articles 146
- Conference Papers, Speeches 146
- Creative Works (Literature, Cartoons ...) 146
- Audiovisual Material 146
- Posters, Charts 147

5. POLICYMAKERS, MANAGERS 148

- Bibliographies 148
- Directories, Catalogues 148
- Books, Booklets 148
- Reports 148
- Descriptive Reports 149
- Fact Sheets, Brochures, Leaflets 149
- Guides - Non-Classroom Use 149
- Conference Proceedings 150
- Serials, Journals 150
- Journal Articles 151

Conference Papers, Speeches 152
Information Analyses, Viewpoints 154

OTHER COUNTRIES 155

H. NEW ZEALAND 155

1. STUDENTS 155

Junior High Schools 155
Instructional Material 155

I. TOGO 156

1. EDUCATORS 156

Intermediate Grades 156
Teaching Guides 156

J. INTERNATIONAL /MULTINATIONAL 157

1. GENERAL PUBLIC 157

Books, Booklets 157
Journal Articles 157

2. EDUCATORS 158

Journal Articles 158
Early Child Education 158
Guides 158
Elementary Education 158
Guides 158
Postsecondary Education 158
Conference Proceedings 158

3. STUDENTS 159

Preschool Education 159
Creative Works (Literature, Cartoons ...) 159
Intermediate Grades 159
Instructional Material 159
Secondary Education 159
Books, Booklets 159
Journal Articles 159
High Schools 159
Journal Articles 159
Postsecondary Education 160
Journal Articles 160

4. POLICYMAKERS, MANAGERS 161

Books, Booklets 161
Conference Proceedings 161
Serials, Journals 162
Journal Articles 162

TABLE OF CONTENTS

INDEXES

SUBJECT INDEX 163

NAME INDEX 177

TITLE INDEX 184

TARGET AUDIENCE INDEX 193

MATERIAL TYPE INDEX 195

ADDRESSES

LIBRARY LOCATIONS 197

NFB AUDIOVISUAL LIBRARIES 199

18

In 1986, the World Commission on Environment and Development called upon the nations of the world to practice sustainable development: to meet the needs of present generations without compromising the ability of future generations to meet their own needs. In 1992 the United Nations Conference on Environment and Development turned the idea of sustainable development into a global action plan.

The Canadian government introduced its own environmental action plan in 1990 – the Green Plan. Its goal is the achievement of a safe and healthy environment and a sound and prosperous economy. The Green Plan is Canada's national strategy for sustainable development.

Achieving the Green Plan goal will require more than just governmental action. The involvement and commitment of the Canadian people is essential. What is required is that Canadians become active environmental citizens. Many already are active – the challenge is to build upon their example. The Environmental Citizenship Initiative is designed to help Canadians do so.

Canadian citizens enjoy both rights and responsibilities. The idea behind environmental citizenship is that one of these responsibilities is to care for Canada's environment. An environmental citizen is someone who has accepted this responsibility and is committed to acting upon it.

Environmental citizenship emphasizes voluntary action by all sectors of society, complementing the regulatory initiatives and economic incentives put in place by government. It applies to all Canadians; individuals, communities, and organizations all have a role to play.

Learning is the key to environmental citizenship. In addition to awareness and concern, effective environmental action requires knowledge. For this reason, the Environmental Citizenship Initiative includes learning campaigns on specific topics to help Canadians gain a better understanding of their environment.

A Bibliography of Freshwater Awareness Materials will help Canadians learn more about an important environmental issue – freshwater. It is intended for use by individuals, educators, communities, and organizations who want to enhance their understanding of the environment.

The contents of this bibliography will be subject to ongoing update and revision. Your feedback is welcome.

SCOPE AND ORGANIZATION

This bibliography contains references to a variety of different types of material from books, fact sheets and brochures, to teacher's guides and non-print media like videocassettes. The major focus is on Canadian products, but due to the quality and quantity of the material produced by other countries (most notably, the United States) a sampling of this material has been included as well. These resources are suitable for use by five main target audiences and may be either general in nature or specific to a certain geographic location.

Each document that is indexed receives a primary geographic area, target audience and material type designation and is cross-referenced if other designations are suitable. For example, a guide for use by youth group instructors in Canada might be useful to a teacher in a formal education setting. A reference to the guide would, therefore, appear in both of these sections of the Bibliography.

It should also be noted that an item is described in the most specific terms possible. Therefore, a document indexed at a narrow geographic location, target audience or material type level would not also appear at a broader level, and a thorough search of the broader levels would require that each of their respective narrower levels also be consulted. For example, to review all of the material pertaining to the Western and Northern Region of Canada, you should also review the material listed under each of the relevant provinces i.e, Alberta, Saskatchewan, and Manitoba in addition to those listed under the Northwest Territories. Similarly, a review of Junior High Schools, High Schools, and High School Equivalency Programs would be necessary to complete a search under "Secondary Education".

Geographic Location:

The first division of the material in the bibliography is by the geographic area dealt with in the document. Some items are not specific to any area, region or country and therefore, appear in the INTERNATIONAL/MULTINATIONAL section of the bibliography. Items specific to one region or province appear in the appropriate section, but may also be of interest to those in other locations developing similar educational materials and programs.

Target Audience:

Within the geographic designation, the primary target audience of the document is identified. The five target audience divisions are:

GENERAL PUBLIC - indicates that the material may be of general interest.
It is non-technical and is written for individuals with no expertise in a water-related field.

EDUCATORS - material in this section is of interest to both formal educators (i.e., teachers, curriculum advisors, school administrators, etc.) and non-formal educators (i.e., youth group leaders, facilitators, etc.). The material listed in this section contains an interpretation of course material or some directions for the instructor to follow.

STUDENTS - contains documents that address the learner directly. The work does not contain instructions to an intermediary, but instructs the student directly.

In the case of both the EDUCATOR and the STUDENT categories, further sub-divisions are made to distinguish the specific educational level being addressed. These *educational levels* are based on the "Mandatory Educational Level Descriptors" assigned by the Educational Resources Information Center (ERIC) to all of the literature it indexes. The Educational Levels appear with their Scope Notes in the following chart:

EDUCATIONAL LEVELS

*EARLY CHILDHOOD EDUCATION

Scope Note: Activities and/or experiences that are intended to effect developmental changes in children from birth through the primary units of elementary school (grades K-3).

**PRESCHOOL EDUCATION

Scope Note: Activities and/or experiences that are intended to effect developmental changes in children from birth to entrance in kindergarten (or grade 1 when kindergarten is not attended).

*ELEMENTARY SECONDARY EDUCATION

Scope Note: Formal education provided in kindergarten or grade 1 through grade 12.

**ELEMENTARY EDUCATION

Scope Note: Education provided in kindergarten or grade 1 through grade 6, 7, or 8.

***ADULT BASIC EDUCATION

Scope Note: Education provided for adults at the elementary level through grade 8.

***PRIMARY EDUCATION

Scope Note: Education provided in kindergarten through grade 3.

***INTERMEDIATE GRADES

Scope Note: Includes the middle and/or upper elementary grades, but usually 4, 5, and 6.

**SECONDARY EDUCATION

Scope Note: Education provided in grade 7, 8, or 9 through grade 12.

***JUNIOR HIGH SCHOOLS

Scope Note: Providing formal education in grades 7, 8, and 9 – less commonly 7 and 8 or 8 and 9.

***HIGH SCHOOLS

Scope Note: Providing formal education in grades 9 or 10 through 12.

***HIGH SCHOOL EQUIVALENCY PROGRAMS

Scope Note: Adult educational activities concerned with the preparation for and the taking of tests which lead to a high school equivalency certificate.

*POSTSECONDARY EDUCATION

Scope Note: All education beyond the secondary level – includes learning activities and experiences beyond the compulsory school age, with the exception of adult basic education and high school equivalency programs.

**COLLEGES

Scope Note: Public or private postsecondary institutions providing at least 2, but less than 4, years of academic and/or occupational education.

**UNIVERSITIES

Scope Note: All education beyond the secondary level leading to a formal degree.

GROUPS, ASSOCIATIONS - contains documents suitable for use by a variety of organisations. These include youth groups, community associations and environmental groups.

POLICYMAKERS, MANAGERS, ADMINISTRATORS - material in this section is designed for use by the management sector. This includes background information that will permit more informed decision-making, as well as training manuals.

Material Type:

Within each target audience division, material is arranged by the "form" of publication. The material type descriptors, with their various sub-divisions, are listed in the table below:

MATERIAL TYPES

*Reference Materials
**Bibliographies
**Atlases
**Directories, Catalogues
**Dictionaries, Glossaires
*Books, Booklets
*Reports
**Descriptive Reports
**Evaluative Reports
**Research/Technical Reports
*Fact Sheets, Brochures, Leaflets
*Guides
**Guides - Classroom Use
***Instructional Material
***Teaching Guides
**Guides - Non-Classroom Use
*Collected Works
**Conference Proceedings
**Serials, Journals
*Journal Articles
*Conference Papers, Speeches
*Creative Works (Literature, Cartoons...)
*Non-Print Material
**Audiovisual Material
**Maps
**Computer Programs
**Posters, Charts
**Games
*Dissertations, Theses
*Historical Material
*Information Analyses, Viewpoints
*Legal/Legislative/Regulatory Material
*Statistical Data
*Tests, Evaluative Instruments
*Other/Miscellaneous Material

When you reach the point in the bibliography where you have located the appropriate type of material for your target audience and geographic location, documents are then arranged alphabetically by title.

Please note: if you are interested in French language material, consult the French sections of the Bibliography.

HOW TO USE THIS BIBLIOGRAPHY

CONTENT OF EACH ENTRY

Each entry in the bibliography contains the following information:

Bibliography Record Number

Bibliographic Citation

Location

7 (091828)
Environment Canada * **The environment needs you**
* Environment Canada, Ottawa, Ont * 1972 * 14p

This handbook, suitable for a general audience including secondary school students, offers suggestions on what an indivisual can do to reduce air pollution to conserve and protect water resources, to control waste disposal on land, and to reduce noise pollution. The handbook shows how water pollution caused mainly by household sewage, industrial wastes, and runoff is a growing proglem but one which can be controlled by careful water management.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00307

AQUAREF Accession number

Abstract

Bibliography Record Number: Each record has been assigned a unique number for ease of reference from the indexes to the entries, and for the cross-referencing.

AQUAREF Accession Number: Every record in the bibliography is available on-line. For additional information, consult the inside front cover of this publication.

Bibliographic Citation: The content of the citation is dependent on the nature of the document (i.e., book, journal article, videocassette, etc.), but citations usually consist of the following information:

- a statement of responsibility (i.e., a personal or corporate author);
- the title;
- container information (i.e., journal name, series title, etc.) where applicable;
- publisher and place of publication;
- date of publication;
- collation and collation details.

Abstract: An indicative abstract has been provided for each document. This consists of a description of the content, subject area and scope of the item and wherever possible, an indication of the intended audiences and the learning area(s) to which the material relates.

Location: One or both of two types of location information are provided for each document to help you obtain the item. These are:

1) Library Location: If we were able to locate a library that has indicated that the item in question is part of their collection, a symbol for that library is provided. Up to three of these symbols are listed and the name and address for each one is provided at the end of the bibliography. Using this information, your local library may be able to borrow the item for you via interlibrary loan.

These symbols are a primary resource-sharing tool. They are assigned by the National Library of Canada and present a standardized key to the identification of Canadian libraries, information centres, archives, collections and information services.

However, the presence of a symbol in a record merely indicates that the library holds the document. It in no way implies that the institution identified by the symbol will participate in interlibrary lending activities. Also be aware that some lending institutions charge for their services.

2) Availability: Many of the documents in this bibliography are part of a special collection available for interlibrary loan from Environment Canada's Departmental Library (OOFF). Information on how to contact OOFF is contained in the address section (see page 197). Please remember to quote the appropriate WACE number when requesting an item.

It is also often possible to obtain a personal copy of the item described. If this is the case, there is an indication of how to order the document and whether or not it is free. In the case of priced publications, it is advisable to contact the organization or publishing house *before* sending payment in order to determine the current cost of the item and to find out what the policy is on purchase orders or billing.

Additional notes on availability:

The National Film Board of Canada (NFB) maintains a national network of audiovisual libraries which offer a video and film rental service.

Since many of videocassettes described in the bibliography are offered through this service, a list of these libraries has also been provided for your convenience (see page 199).

Also: The location provided in the bibliography may not be the only source of the item. It is possible that many of the items can be borrowed from your local library or purchased at a local bookstore or nature centre.

HOW TO USE THIS BIBLIOGRAPHY

HOW TO LOCATE A SUITABLE DOCUMENT

In addition to searching in the appropriate language section of the bibliography (English or French) and under the appropriate geographic area, target audience and material type in the body of the bibliography, a number of indexes have been generated to facilitate the search process. These indexes are as follows:

SUBJECT INDEX - To find material related to a specific subject area or field of interest, consult this alphabetical list of subject-related keywords. Reference is made from the keyword to the relevant Bibliography Record Number(s).

NAME INDEX - If material written by a particular person or organization is what you want, consult the alphabetical Name Index. Reference is made from the name to the relevant Bibliography Record Number(s).

TITLE INDEX - If you know the title of the desired item, an alphabetical title listing is available. Reference is made from the title to the relevant Bibliography Record Number.

TARGET AUDIENCE INDEX - If you are looking for material for a particular education level or audience, consult the Target Audience Index. Each audience is sub-divided by geographic location and reference is made from that location to the relevant Bibliography Record Number(s).

MATERIAL TYPE INDEX - If you are looking only for material in a certain format (i.e., videocassettes, teaching guides, etc.) consult this index. Each material type is sub-divided by geographic location and reference is made from that location to the relevant Bibliography Record Number(s).

Note: When using the Material Type and Target Audience Indexes you may be directed to a cross-reference. It may be necessary to take a further step from the cross-reference to the primary reference.

ACKNOWLEDGEMENTS

Sincere thanks to all of the individuals and organizations who responded to the call for water awareness information and submitted material to be indexed. Your material may have been received after preparation on this bibliography began, but rest assured that if it is suitable, a reference will eventually appear in the on-line database and in subsequent editions of the print product.

DISCLAIMER

The inclusion of a resource in this bibliography is not an endorsement by Environment Canada of its content or value as a teaching resource. We are merely indicating its potential use and availability.

All information was current at time of confirmation. Changes may have occurred since this time.

HOW TO CONTACT US

We appreciate user feedback on this bibliography. Let us know what we missed or where we erred or if you found the work useful.

If you find a particularly good resource you feel we have overlooked, write and tell us about it. We hope to add to and update the information included herein on a regular basis.

Our address is:

Freshwater Awareness Bibliography
Water Awareness & Environmental Citizenship Program
Economics and Conservation Branch
Environment Canada
Ottawa, Ontario
K1A 0H3
Telephone: (819) 953-9427
Fax: (819) 994-0237

CANADA

Directories, Catalogues

1 (034983)
Department of the Environment * **Environment source book : a guide to environmental information in Canada** * Department of the Environment , Ottawa, Ont * 1978 * 115p

This book has been prepared as a guide to sources of information on the environment in Canada. In addition to outlines of federal and provincial responsibilities of government, it provides: summaries of the work of key federal/provincial and international agencies and advisory councils on the environment; a brief listing of national, provincial, territorial, and regional planning citizens' groups active in Canada; a selective bibliography of current literature on the environment; an introduction to environmental studies at Canadian universities and community colleges; sources of information about environmental meetings and conferences; and, a subject index.

Library location: OOFF

Books, Booklets

2 (090011)
Acid rain : time is running out * Publications and Information Branch, Communications Directorate, Department of Fisheries and Oceans , Ottawa, Ont * 1987 * 20p

This pamphlet focuses on the causes and extent of the acid rain problem in Canada. The lakes and rivers of North America most sensitive to acidification are identified and the environmental effects particularly on water quality and aquatic life are discussed and illustrated by graphs and photographs. The problem can only be solved through federal, state and provincial cooperation.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00022

3 (090012)
Environment Canada * **The acid rain story** * Environment Canada , Ottawa, Ont * 1984 * 13p

This illustrated booklet describes the extent of the acid rain problem in North America, sources of acid rain, areas vulnerable to acidification, effects on surface water and fish, effects on forests, ways in which emissions can be reduced, the history of an acidified lake in Ontario, and Canada/United States cooperation on controlling transboundary air pollution. Suggestions are presented on ways in which the public can help in the areas of conservation and recycling.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00015

4 (092443)
SWITZER-HOWSE, K.D.; COOTE, D.R. * **Agricultural practices and environmental conservation** * Communications Branch, Agriculture Canada, Ottawa, Ont * 1984, 1989 printing * 27p

This pamphlet advises the agricultural community to take precautions to protect the environment from any degradation arising from its activities. It shows how some agricultural practices can cause water, air, and soil pollution and degradation. Many problems of maintaining a healthy environment could be reduced or eliminated by using the proper techniques for managing the land and for conserving the quality of soil and water. The most serious problems, such as those caused by erosion, runoff, and sediment transport, can only be alleviated by the adoption of practices that may increase costs of production.

Library location: NSDE

Availability: Available for interlibrary loan from OOFF under WACE number 00306; Also available from the Communications Branch, Agriculture Canada, Ottawa, Ont K1A OC7

5 (092436)
Canadian Embassy * **Canada-United States : acid rain**. - Revised edition * Canadian Embassy, Washington, DC, US * July 1989 * 1 kit (7 pieces) : 6 leaflets; 1 folder

This public information kit describes Canadian and American efforts in controlling the acid rain problem. Six leaflets describe the Great Lakes Water Quality Agreement as a model for controlling acid rain, Canada's acid rain control program, acid rain damage, fisheries in danger, acid rain and forest decline, and the transboundary flows of acid rain pollution. A folder outlines the mutual obligation to reduce transboundary air pollution with the aid of a map showing the location of major sources of sulphur dioxide emissions in North America and prevailing wind patterns.

Availability: Available for interlibrary loan from OOFF under WACE number 00162

6 (075650)
Environment Canada, Inland Waters Directorate, Flood Damage Reduction Program * **Cutting our flood losses** * Flood Damage Reduction Program, Inland Waters Directorate, Environment Canada , Ottawa, Ont * 1978 * 18p

This pamphlet outlines the national flood damage reduction program and addresses concerns that

property owners within designated areas may have. The program, which was announced in 1975, is designed to identify flood prone areas and to discourage further development that might be subject to flood damage. It provides for joint action by all levels of government to assure the wiser use of flood prone land. The program takes effect through the signing of agreements between a province and the government of Canada whereby they undertake to map and publicize flood risk areas. These flood risk maps are the key to the program. Besides normal water surfaces and other geographical features, they show the extent of past floods and areas liable to flooding. Within the designated flood risk areas, the governments agree not to finance or engage in any further projects liable to flood damage. They will also withhold flood relief payments for damage to anything constructed there after the site is designated as a flood risk area. At the same time, they will encourage suitable land use and appropriate zoning to restrict development in those areas. Where existing development warrants it, further agreements may provide for other measures to reduce flood damage.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00127; Also available free from the Flood Damage Reduction Program, Environment Canada, Ecosystem Sciences and Evaluation Directorate, Ottawa, Ont K1A 0H3

7 (091828)
Environment Canada * **The environment needs you** * Environment Canada , Ottawa, Ont * 1972 * 14p

This handbook, suitable for a general audience including secondary school students, offers suggestions on what an individual can do to reduce air pollution, to conserve and protect water resources, to control waste disposal on land, and to reduce noise pollution. The handbook shows how water pollution caused mainly by household sewage, industrial wastes, and runoff is a growing problem but one which can be controlled by careful water management.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00307

8 (090017)
JOHNSON, L. * **Green future : how to make a world of difference** * Penguin Books , Toronto, Ont * 1990 * 231p

This book explores major environmental issues such as the vanishing rainforest, hazardous wastes, toxic substances, deteriorating water quality, ozone depletion, mounting piles of garbage, and the destruction of wildlife habitat and offers practical suggestions for positive action. Over 400 ways are presented in sections on the home, yard and garden, the consumer, and transportation. Suggestions include refusing to buy overpackaged and disposable products, planting trees, buying in bulk, cleaning the home with environmentally-safe products, driving for fuel efficiency, practicing sustainable agriculture by organic and local growers, and conserving energy in the home through insulating, water conservation, and energy-efficient appliances. Emphasis is on becoming involved as an individual in cleaning up and protecting the environment.
Library location: OOFF

9 (074319)
COON, D. * **The groundwater pollution primer** * Conservation Council , Fredericton, NB * July 1987 * 44p

This booklet focuses on pollution threats facing groundwater and potential health hazards from contaminated wells. It is intended to provide information for the general public as well as for people affected by well-water contamination. There is a short review of sources of contamination and associated health hazards from solvents, pesticides, nitrates, petroleum products and heavy metals. Brief summaries regarding drinking water safety, what is being done and what can be done to prevent groundwater pollution, and what to do if you suspect contamination of tap water, are included.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00278; Also available from the Conservation Council, 180 John Street, Fredericton, NB E3B 4A9

10 (090736)
Harmony Foundation of Canada * **Home & family guide : practical action for the environment** * Harmony Foundation of Canada , Ottawa, Ont * 1989 * 80p

This handbook gives clear, practical information on how to tackle environmental issues on a daily basis. The overriding message is that the public has a significant role to play in environmental protection because the cumulative effect of good environmental practices will be beneficial to the environment. Environmental concerns in the areas of energy conservation, hazardous products disposal, waste reduction, water conservation and water quality are summarized and general goals for households and individuals discussed. Practical and helpful hints are presented in these four areas on ways to protect the environment in every room of a house. Sources and contacts and

suggested reading sections are included at the end of the guide.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00301; Also available at cost from the Harmony Foundation, P.O. Box 80001, Preston Postal Outlet, 438 Preston St, Ottawa, Ont K1S 5N6

11 (090337)
VONTOBEL, R. (ed) * **Man and wildlife in a shared environment** * Canadian Wildlife Service, Environment Canada , Ottawa, Ont * 1982 * 54p

This booklet attempts to provide an understanding and appreciation of the scope of work carried out by the Canadian Wildlife Service. It includes information on breeding bird surveys, wildlife interpretive centres and wetland conservation. Photographs are used extensively with descriptions of wildlife in Canada. Marshes as wildlife habitat and the effects of acid rain on aquatic and terrestrial ecosystems are outlined. Suggestions are presented to promote public awareness of and involvement in wildlife conservation.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00014

12 (091846)
Environment Canada * **A pollution primer** * Environment Canada , Ottawa, Ont * 1973 * 36p

This handbook gives a basic description of what pollution is, the various forms and sources of pollution, and provincial and federal responsibilities in pollution control. Water, air, and noise pollution as well as solid waste disposal are examined. Lakes, oceans and the properties of surface water in general are discussed to better understand the causes and effects of water pollution. Cleaning up sewage before discharging it into receiving waters is seen as one effective way in water pollution control.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00305

13 (091720)
Marbek Resource Consultants * **Solar water heaters : a buyer's guide** * Energy, Mines and Resources Canada , Ottawa, Ont * 1986, 1987 printing * 16p

This guide provides basic information on solar water heaters to assist the buyer in making an informed choice. The workings of solar water heaters, conserving solar-heated water, type of heater to buy and what to look for, approaching a dealer, and installing and maintaining the heater, are explained.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00183; Also available free from the Renewable Energy Branch, Energy, Mines and Resources Canada, 580 Booth Street, Ottawa, Ont K1A OE4

Fact Sheets, Brochures, Leaflets

14 (089849)
Environment Canada, Inland Waters and Lands Directorate * **Acid rain : a national sensitivity assessment** * Inland Waters and Lands Directorate, Environment Canada , Ottawa, Ont * 1988? * 6p

This fact sheet describes the Canadian national sensitivity assessment which permits the identification of potentially sensitive aquatic ecosystems through the evaluation of surrogate terrestrial indicators. Accompanying maps depict the distribution of areas having a low, moderate, or high potential to reduce the acidity of atmospheric depositions and outlines aquatic ecosystems having a high, moderate or low sensitivity to acidification. The basis on which the sensitivity assessment was done is also described.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00372; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

15 (091056)
Environment Canada * **Air quality accord** = Accord sur la qualité de l'air * Environment Canada , Ottawa, Ont * 1991 * 1 kit (3 pieces) : 1 booklet; 2 leaflets

This public information kit contains the text of the agreement signed between the governments of Canada and the United States on March 13, 1991, on controlling transboundary air pollution. Two additional leaflets describe the Canadian Acid Rain Control Program and present some facts about acid rain and its control in Canada and the United States, respectively.
Library location: OOP
Availability: Available for interlibrary loan from OOFF under WACE number 00124; Also available from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

16 (090015)
Environment Canada, Conservation and Protection, Inland Waters Directorate * **Canada's water : Canada's future** * Inland Waters Directorate, Conservation and Protection, Environment Canada , Ottawa, Ont * 1988 * 16p

Information is presented on the activities and responsibilities of the Inland Waters Directorate of Environment Canada in the areas of freshwater management, federal water research, and implementation of federal water legislation. Six information sheets inserted in the folder describe the activities of branches within the Directorate including the Water Resources Branch, Water Planning and Management Branch, Water Quality Branch, Program Analysis and Coordination Branch, the National Hydrology Research Institute, and the National Water Research Institute.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00017

17 (089348)
Environment Canada, Conservation and Protection * **Clean water - life depends on it!** * Conservation and Protection, Environment Canada , Ottawa, Ont * Oct 1990 * 12p

This issue in the Freshwater Series provides information on various aspects of water quality. Included are brief descriptions on what determines quality, how water cleans itself, how the quality is measured, toxic chemicals and human health, causes and effects of water pollution, the long-range transport of airborne pollutants and controlling water pollution through water quality objectives, guidelines, regulations, and technology. Suggestions are given on how individuals can protect water quality and the environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00034; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

18 (091835)
Health and Welfare Canada, Environmental Health Directorate, Health Protection Branch * **Drinking water away from home** * Health and Welfare Canada, Environmental Health Directorate, Health Protection Branch , Ottawa, Ont * 1986 * 2p

This information sheet is designed to instruct campers, hikers, and cottagers on how to ensure that the water they drink is safe. Methods for emergency or short-term water disinfection are described, as are routine water disinfection methods for cottages, recreational vehicles, etc.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00313; Also available free from Publications Distribution, Health & Welfare Canada, 19th fl, Jeanne Mance Bldg, Tunney's Pasture, Ottawa, Ont K1A OK9 (613) 952-9191

19 (091843)
Health and Welfare Canada, Health Protection Branch * **Drinking water guidelines** * Health Protection Branch, Health and Welfare Canada , Ottawa, Ont * 20 Sept 1990 * 3p

This leaflet announces the publication of the fourth edition of the Guidelines for Canadian Drinking Water Quality by the Department of National Health and Welfare. Information is provided on the basis for the guidelines, water supply contaminants, what the guidelines mean in terms of health and how to obtain a copy of the publication.
Availability: Available for interlibrary loan from OOFF under WACE number 00314; Also available free from Publications Distribution, Health & Welfare Canada, 19th fl, Jeanne Mance Bldg, Tunney's Pasture, Ottawa, Ont K1A OK9 (613) 952-9191

20 (089350)
Environment Canada, Conservation and Protection * **Groundwater - nature's hidden treasure** * Conservation and Protection, Environment Canada , Ottawa, Ont * 1990 * 12p

This issue in the Freshwater Series explores all aspects of groundwater, an essential and vital resource for twenty-five percent of all Canadians. Information is provided on the need to protect groundwater, groundwater and geology, the nature of groundwater, groundwater movement, groundwater as a source of energy, the nature of aquifers, groundwater as a major link in the hydrologic cycle, groundwater quality, saltwater intrusion, groundwater use, sources of groundwater contamination, groundwater and engineering, groundwater and wetlands, and safeguarding the groundwater supply.
Availability: Available for interlibrary loan from OOFF under WACE number 00036; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

21 (091047)
Environment Canada, Conservation and Protection **• Health of our oceans : an overview of Canadian marine environmental quality**. - Revised • Conservation and Protection, Environment Canada • 1989 • 5p

Canada's marine environment is being threatened by large quantities of man-made wastes and chemicals. This report explains what is being done to reduce these threats through public education, pollution control, technology, and legislation and government programs. The public is encouraged to get involved in maintaining environmental quality by being vigilant about the household solvents and wastes they dispose of in the ocean. A one-page reading list intended for those who are concerned about marine water quality and the well-being of sea life is also provided.

Library location: NBFU

Availability: Available for interlibrary loan from OOFF under WACE number 00128; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

22 (089994)
Ecology House • **Household water conservation and efficient appliances** • Ecology House , Toronto, Ont • 1978 • 6p

Tips are fully explained on water and energy conservation in the home through the use of water-saving techniques and conserving devices, as well as descriptions of energy-efficient appliances which also maximize the appliances' efficiency.

Library location: OON

Availability: Available for interlibrary loan from OOFF under WACE number 00004

23 (091062)
Environment Canada ; Health and Welfare Canada • **How safe is our water?** • Environment Canada , Ottawa, Ont ; Health and Welfare Canada , Ottawa, Ont • 1990? • 8p

This brochure summarizes the organic, inorganic, radiological, physical and microbiological parameters that Canadian water must meet to be used as drinking water and to be acceptable for freshwater aquatic life. Persons interested in more detailed information are advised to consult the Guidelines for Canadian Drinking Water Quality (1987) or the Canadian Water Quality Guidelines (1987).

Availability: Available for interlibrary loan from OOFF under WACE number 00126; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225 or from Publications Distribution, Health & Welfare Canada, 19th Fl, Jeanne Mance Bldg, Tunney's Pasture, Ottawa, Ont K1A 0K9 (613) 952-9191

24 (073900)
Environment Canada, Water Quality Branch • **Is the water safe to use?** • Environment Canada , Ottawa, Ont • 1987 • 8p

This pamphlet describes how water quality data and water quality objectives are used to assess the water of a river or lake. It describes the development of water quality objectives and how they are used to determine if water is acceptable for such uses as swimming, irrigation, or aquatic life. The pamphlet includes a map and addresses for further information.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00125; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

25 (090010)
Environment Canada • **Municipal water rates in Canada : current practices and prices** • Editorial and Publications Division, Inland Waters Directorate, Environment Canada , Ottawa, Ont • 1989 • 4p

A study of municipal water pricing practices (residential and commercial) and existing rate schedules undertaken by Environment Canada is presented with the aid of coloured figures to illustrate the great price variations from province to province and within a province. The rationale behind rate-setting practices in many Canadian communities are explained.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00019

26 (090009)
Environment Canada, Inland Waters Directorate, Western and Northern Region • **A river under siege** = Une rivière assiégée • Inland Waters Directorate, Western and Northern Region, Environment Canada, Regina, Sask • 1986 • 6p

This brightly-illustrated leaflet which can be used as a poster for elementary classes traces the course of a river from its start high in the mountains to its finish in a larger body of water. The focus is on the many obstacles faced by a river on its path including acid rain, recreation, logging and mining, and its role in marshes, floods, and electric power production.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00020; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

27 (091055)
Environment Canada * **Stopping acid rain** * Environment Canada , Ottawa, Ont * 1988? * 1 kit (7 pieces) : 6 leaflets, 1 pamphlet

This public information kit on acid rain in Canada contains six leaflets and a pamphlet. They all address the nature of acid rain, how it can be stopped, and the effect of transboundary pollution between Canada and the United States. Two of the leaflets explain, with the aid of numerous tables, maps, and figures, the sources of acid rain and what is being done in Canada to control the problem. The remaining leaflets highlight clean air programs in Canada and the United States, list acid rain milestones in both of these countries, discuss Canadian achievements in controlling acidic emissions, and deals with some frequently asked questions about the Canadian and American Clean Air Programs.
Library location: NBFU
Availability: Available for interlibrary loan from OOFF under WACE number 00123

28 (093243)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Use water wisely** = Utilisez l'eau judicieusement * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

Canadians waste a lot of water. This brochure is designed to convince citizens that by using water wisely they can save water, money and energy. The three golden rules for wise water use – reduce, repair and retrofit -- are also explained.
Availability: Available for interlibrary loan from OOFF under WACE number 00452; Single copies are also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

29 (034457)
Fisheries and Environment Canada * **A vital resource : federal policy statement on inland waters** = Une ressource vitale : déclaration de la politique fédérale sur les eaux intérieures * Inland Waters Directorate, Environment Canada , Ottawa, Ont * 1978 * 12p

The federal policy statement outlines the importance of water to Canadians, responsibilities of the government of Canada for water and federal policies relating to inland waters, and its commitment to address most water problems through a joint cooperative federal-provincial approach. Some topics of concern are restoration and protection of water quality, national effluent regulations and guidelines, cost-sharing of river basin studies, and consumptive and recreational use. Other areas of government commitment are flooding, damages caused by erosion, water research and technology development programs, data collections, and nautical information for commercial and recreational navigation.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00271

30 (089347)
Environment Canada, Conservation and Protection * **Water - here, there and everywhere** * Conservation and Protection, Environment Canada , Ottawa, Ont * Oct 1990 * 8p * 1 map : Scale 1:10,000,000

This issue in the Freshwater Series shows that Canada's fresh water is found in the form of rivers, lakes, groundwater and ice and snow. The world's total water supply as well as a table showing the world's largest river drainage basins and lakes are presented. A map showing Canada's annual large river flows and major drainage areas is included. Explanations are provided on how water is measured (flow rates and water levels, dams, reservoirs and ground water).
Availability: Available for interlibrary loan from OOFF under WACE number 00033; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

31 (089346)
Environment Canada, Conservation and Protection * **Water - nature's magician** * Conservation and Protection, Environment Canada , Ottawa, Ont * Oct 1990 * 4p

This issue in the Freshwater Series explains how water is the solvent, the medium, the participant, and the catalyst in most of the chemical reactions occurring in the environment. Water's physical properties are highlighted focusing on its movement throughout the hydrologic cycle which is clearly depicted in both a drawing and descriptions of terminology.
Availability: Available for interlibrary loan from OOFF under WACE number 00032; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

32 (093240)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Water audit** = Vérification de votre consommation d'eau * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

This brochure is designed to instruct citizens on how to determine the amount of water used in their home. Directions are provided on how to read a water meter; how to calculate the flow rate from faucets and showerheads; how to measure the water level in your toilet tank; and how to determine whether you have a leak in your household water system. A "Water Audit Worksheet" is also provided to assist in the calculation of weekly household water use.
Availability: Available for interlibrary loan from OOFF under WACE number 00453; Single copies are also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

33 (091780)
Saskatchewan Water Corporation * **Water conservation** * Saskatchewan Water Corporation , Moose Jaw, Sask * nd * 5p

This brochure contains information on the amount of water Canadians use and ways in which we can cut down our water use. Advice is given on detecting leaks and conserving water indoors and outdoors. A home conservation checklist is also provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00154; Also available from Saskatchewan Water Corporation, 111 Fairford St East, Moose Jaw, Sask S6H 7X9 (306) 694-3900

34 (089349)
Environment Canada, Conservation and Protection * **Water works!** * Conservation and Protection, Environment Canada , Ottawa, Ont * 1990 * 12p

This issue in the Freshwater Series stresses that there are limits to the reuse of water when it is returned to nature diminished in both quantity and quality. It is important that water use is understood in such areas as where water is used, what the main uses are, how the various uses compete and interfere with each other, and how to manage this growing competition. Descriptions are provided on withdrawal uses, instream use, determining a fair price for water, the importance of water quality, and water use in the future.
Availability: Available for interlibrary loan from OOFF under WACE number 00035; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

35 (093241)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Water-saving devices** = Dispositifs économiseurs d'eau * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

By changing our water habits and by installing water-saving devices we can help improve our environment. This brochure contains information on low-flush toilets, toilet dams, low-flow showerheads, faucet aerators and quality sprinklers.
Availability: Available for interlibrary loan from OOFF under WACE number 00454; Single copies are also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

36 (093242)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Water-wise tips for bathrooms** = Utilisez l'eau judicieusement : conseils sur la salle de bains * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

This brochure contains a number of practical tips for reducing the amount of water used in the bathroom. Topics covered include: water-saving devices such as low-flush toilets, toilet dams, low-flow showerheads, and faucet aerators; waste disposal; wise water use; and leak detection.
Availability: Available for interlibrary loan from OOFF under WACE number 00456; Single copies are also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

37 (093239)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Water-wise tips for kitchens & laundry** = Utilisez l'eau judicieusement : conseils sur la cuisine et la salle de lavage * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

This brochure contains a number of practical tips for reducing the amount of water used in the kitchen and laundry areas of the home. Topics covered include: dish and laundry washing, food preparation, drinking water, waste disposal, and water-saving devices.

Availability: Available for interlibrary loan from OOFF under WACE number 00455; Single copies are also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

38 (093244)
Canada Communication Group (CCG) ; Environment Canada ; Regional Municipality of Ottawa-Carleton * **Water-wise tips for lawns & gardens** = Utilisez l'eau judicieusement : conseils sur les pelouses et les jardins * Environment Canada, Conservation and Protection , Ottawa, Ont * 1992 * 4p

This brochure contains a number of practical tips for reducing the amount of water used on lawns and gardens around the home. Topics covered include: when and how to water the grass; how to avoid the need to water by keeping the grass longer or by "xeriscaping" or "nature-scaping"; and how to make wise use of water in your pool and to wash the car.
Availability: Available for interlibrary loan from OOFF under WACE number 00457; Single copies also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A OH3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

39 (091045)
Environment Canada, Canadian Wildlife Service * **Wetlands** (see entry number 123 for complete reference)

40 (091830)
Health and Welfare Canada ; Environment Canada * **Wilderness water : a guide to wilderness drinking water** = Les eaux naturelles : guide pour la consommation de l'eau dans la nature * Health and Welfare Canada , Ottawa, Ont ; Environment Canada , Regina, Sask * 1991 * 7p

This brochure advises Canadian hikers and campers on ways to ensure that wilderness water is safe to drink. Three methods of purification are discussed; namely, boiling, chemical treatment, and filtration.
Availability: Available for interlibrary loan from OOFF under WACE number 00303; Also available free from the Communications Branch, Health & Welfare Canada, Ottawa, Ont K1A OK9 or Environment Canada, Inland Waters Directorate, Regina, Sask S4P 4K1

Guides

41 (092465)
Monsanto Canada Inc * **Ground water and agricultural chemicals** * Monsanto Canada Inc , Winnipeg, Man * 1990 * 1 kit (6 pieces) : 1 workbook; 4 leaflets; 1 videocassette (15 min) : sd, col, VHS

This kit is designed to assist the agricultural chemical dealer to educate his customers, the growers, on how to use pesticides properly to help prevent groundwater contamination. Included in the kit are: a 15-minute video that explains how contamination occurs and how members of the agricultural community can help prevent it; a workbook designed especially for growers with step-by-step instructions on how to prevent contamination and details on how to manage operations with information on wells, container disposal, application, and special geological, soil and chemical factors; a leaflet that presents guidelines on pesticide handling and usage; a groundwater contamination quiz to help growers test their knowledge about groundwater contamination; a sheet of answers to the quiz; and, a covering letter explaining the need for preventing groundwater contamination.
Availability: Available from Monsanto Canada Inc, 55 Murray Park Rd, Winnipeg, Man R3J 3W2 (204) 885-6740

42 (089339)
Environment Canada, Conservation and Protection * **A primer on water : questions and answers**. - Second edition * Conservation and Protection, Environment Canada , Ottawa, Ont * 1991 * 67p

This primer is a comprehensive text on all aspects of water in Canada and answers a wide range of questions by focusing on different aspects of water such as its physical characteristics, its availability both above and below ground, its uses, its quality and how it is shared and managed. Aquatic ecosystems are examined in detail and their importance to human health explained. The importance, problems and shared management of the Great Lakes is clearly set out. It also contains practical advice on what individuals can do to help conserve this precious resource. This publication is appropriate for the general public and students at the secondary and postsecondary levels.
Library location: OTM
Availability: Available for interlibrary loan from OOFF under WACE number 00027; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

43 (089345)
Environment Canada * **Water : no time to waste : a consumer's guide to water conservation** * Environment Canada , Ottawa, Ont * 1990 * 24p

This guide explains why water conservation is important and what people can do to reduce the use of one of the world's most precious resources. An understanding of how water cycles through the environment is necessary to appreciate the significant role one can play in improving the quality and protecting the quantity of the world's water resources. Chapters are included on the water cycle, water conservation, water management in the kitchen, and water conservation in the bathroom, the utility room, and in the outdoors. Additional water information such as how much water the typical family can save, how Canadians measure up in the area of water conservation, and where to find more information on water resources, are provided.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00029; Also available at cost from Canada Communications Group - Publishing, Ottawa, Ont K1A OS9 (819) 956-4802, FAX (819) 994-1498

44 (089335)
Environment Canada, Communications Directorate * **What we can do for our environment : hundreds of things to do now** * Communications Directorate, Environment Canada , Hull, Que * 1990 * 49p

This handbook offers hundreds of tips and suggestions on environmentally friendly habits that individual Canadians can practice daily in the yard, the home, the automobile, while shopping, at school, at work and on vacation. The chapters "Just for kids" and "You and your neighbours" outline examples and initiatives for protecting the environment. Each of the chapters contains hints on how to conserve water. Additional references and source materials are included at the end of each chapter. A list of Environment Canada offices, provincial and territorial environment departments, and recycling organizations, is provided.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00024; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

Guides - Non-Classroom Use

45 (091753)
KIIL, S. * **What we can do for our children's environment : a concise guide** * EB Publications , Toronto, Ont * 1990 * 8p

This booklet gives a comprehensive outline of the ecological problems we now face and the things we can do in all aspects of our lives to effect changes that are essential for the health of the Earth and its inhabitants.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00221; Also available at cost from EB Publications, 28 Beaufort Road, Toronto, Ont M4E 1M7 (416) 690-7430

46 (093258)
BLOOMFIELD, M. (ed) ; WARD-WHATE, L. (ed) ; COLLINS, C. (ed) * **Workplace guide : practical action for the environment** * Harmony Foundation of Canada , Ottawa, Ont * 1991 * iii, 169p

This guide offers a comprehensive step-by-step approach to assist organizations in identifying both economic and environmental benefits of a healthy workplace environment. It outlines how poor workplace practices can waste money and harm the environment. Practical environmental improvements in such areas as water conservation, protection of water quality, energy conservation, recycling, waste management, hazardous materials storage and disposal, and transportation, are suggested. Assessment worksheets are included to guide the organization in its action plan. The water worksheets provide an opportunity for the organization to assess its current water use practices and activities and to help it set goals and determine immediate actions. A questionnaire is presented to examine overall consumption and cost, and water use practices in specific areas.

Availability: Available at cost from the Harmony Foundation of Canada, Box 3444, Station D, 340 Laurier Ave W, Ottawa, Ont K1P 6P9

47 (093312)
Your water : chapter II (see entry number 65 for complete reference)

Collected Works

48 (091827)
Pollution Probe (comp) * **Drinking water options : information package** * 1991? * 36p

This package contains six previously-published articles on drinking water quality mainly from Pollution Probe and the Consumers' Association of Canada. The articles cover Great Lakes drinking water quality, the quality of tap, spring, mineral, and bottled water, the growing trend to bottled water, guidelines for Canadian drinking water quality. The need for a safe drinking water act, and groundwater pollution.
Availability: Available for interlibrary loan from OOFF under WACE number 00242; Also available at cost from Pollution Probe, 12 Madison Ave, Toronto, Ont M5R 2S1 (416) 926-1907

49 (089992)
Energy, Mines and Resources Canada * **You and your environment : the energy of our resources : the power of our ideas** * Energy, Mines and Resources Canada , Ottawa, Ont * nd * 19p

This newspaper-style pamphlet describes research at Energy, Mines and Resources Canada that is designed to protect the environment and conserve energy. Topics include: 1) the use of remote sensing in the ecological evaluation and clean-up of the St Lawrence River and in the development of a computerized encyclopedia for monitoring a wide range of global phenomena; 2) the effects of acid mine drainage on water quality; 3) the development of alternative transportation fuels; 4) global warming and rising sea levels; 5) melting ice caps and permafrost areas; and 6) earthquake research and emergency planning in British Columbia.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00021

Journal Articles

50 (090024)
WALMSLEY, A.; WICKENS, B.; QUINN, H. * **Alternatives to tap water : the move to bottles and filters** * In: Maclean's * 15 Jan 1990 * 36-37

Consumer fears about pollutants in tap water has led to greater use of bottled water. However, concerns are surfacing about the quality of bottled water and this could account for the trend to use water treatment devices instead. Tougher regulations for bottled water are needed.
Availability: Available for interlibrary loan from OOFF under WACE number 00054

51 (091824)
Consumers' Association of Canada * **Bottled spring water : safer and tastier than tap water? Not necessarily** * In: Canadian consumer * May 1987 * 18-22

Fourteen non-carbonated spring waters were tested and compared in taste and chemical composition with tap water from seven major Canadian cities. The results indicate no compelling health reasons to buy spring water though, in some instances, the taste of the spring waters may be preferable. Detailed results of the testing are presented. The spring waters contained dissolved metals, inorganic chemicals and other suspended particles within acceptable limits set by Health and Welfare Canada guidelines for safe drinking water.
Availability: Available for interlibrary loan from OOFF under WACE number 00251

52 (090025)
NICHOLS, M. ; JENSEN, H. * **Danger in the water** * In: Maclean's * 15 Jan 1990 * 30-33

A growing concern about the water they drink and use is forcing Canadian consumers to buy bottled water or use water treatment devices. There is mounting evidence that the drinking water in many Canadian communities contains toxic chemicals. Many of the municipal water treatment systems in Canada are outdated. This article argues that there is a pressing need for federal government legislation to provide for the enforcement of national standards for drinking water. Enforcement of new federal regulations aimed at reducing pulp-mill emissions under the Canadian Environmental Protection Act and other provincial initiatives such as in Ontario and Quebec aimed at reducing municipal and industrial pollution is seen as crucial to ensuring a cleaner environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00051

53 (090026)
SWANSON, D. * **Eau reservoir : saying goodbye to well-water worries** * In: Harrowsmith * Sept 1988-Oct 1988 * (81) 51-57

The construction of an underground concrete cistern to hold rainwater collected through pipes from the roof is described. The construction details with diagrams are provided for anyone wishing to use cistern technology to provide reliable and safe domestic water. Details are provided for a standard concrete cistern including inlet and outlet fittings plus overflow and drainage pipes and a Sheehan cistern, an inexpensive aboveground cistern which can be made with 2x6 and 2x4 lumber. Construction details for a homemade roof washer are presented.

Availability: Available for interlibrary loan from OOFF under WACE number 00059

54 (090032)
CAME, B.; NIXON, D.; VAN DUSEN, L.; MACKENZIE, H.; CHISHOLM, P.; DRIEDGER, S.D. * **Fighting acid rain** * In: Maclean's * 26 June 1989 * 38-41

Amendments to the United States Clean Air Act of 1970 proposed by President Bush are designed to curb acid rain, urban smog and toxic air emission. The provisions concerning acid rain will affect Canada most directly as the program could cut in half by 1999 the amount of acid-rain-causing emissions that the United States propels annually into Canadian cities. Although industry's pollution control costs will be substantial, the introduction of emission credits and the permission to trade pollution rights are market-oriented incentives. Of primary concern to Canada is the lack of any cap on emissions after the year 2000. The absence of legislated limits could mean an increase in transboundary pollution. However, other provisions in the amendments would put the United States ahead of Canada in its commitment to a cleaner, smog-free environment such as the proposed 1995 introduction of alternatively-fuelled vehicles and lowering of national hydrocarbon emission standards.

Availability: Available for interlibrary loan from OOFF under WACE number 00050

55 (089996)
HIBLER, M. * **Mineral waters** * In: Canadian consumer * 1990 * 20(1) 15-21, 43

Testing of sixteen brands of domestic and imported mineral waters, both carbonated and non-carbonated, reveal that they contain few beneficial minerals and contribute little to improved human health. The worst waters contained higher quantities of sodium and heavy metals than would be considered acceptable in tap water. Results point to the need for federal government standards for mineral water contents and labelling.

Availability: Available for interlibrary loan from OOFF under WACE number 00013

56 (091822)
KIDD, J. * **The need for a Safe Drinking Water Act** * In: Probe post * Pollution Probe, Toronto, Ont * June 1983 * 12-13

This article points out the need for a strong, aggressive and enforceable Safe Drinking Water Act for Canada. The present Canadian water quality guidelines for drinking water are not legally enforceable and are considered inadequate as they do not even include common powerful, industrial chemicals like benzene and carbon tetrachloride.

Availability: Available for interlibrary loan from OOFF under WACE number 00249

57 (090033)
UNDERWOOD, N.; WICKENS, B. * **Scientific safety nets : how treatment can reduce risks** * In: Maclean's * 15 Jan 1990 * p35

Procedures for treating water before it reaches consumers in Canada vary depending on the source. In Toronto which obtains its water from Lake Ontario, the process is very sophisticated and uses a dual media filtration system. The treatment processes and chemicals used in each phase are noted. Designed to kill potentially dangerous bacteria, the system is not capable of removing many of the mineral and chemical pollutants now found in some Canadian waters. Reassessment and upgrading in Toronto is a future possibility to treat the chemicals and minerals found in Lake Ontario.

Availability: Available for interlibrary loan from OOFF under WACE number 00053

58 (091060)
KOURIK, R. * **The trickle-down effect : a slow and efficient way to water** * In: Harrowsmith * 1988 * 13(2) 86-90, 92, 96-97

Drip irrigation--a process which delivers very small amounts of water over a long period of time thereby reducing water usage by 50 percent--is described. The article outlines the advantages of this type of localized watering over the conventional forms. A detailed description of drip irrigation components, equipment, installation, and maintenance is provided. Tips are given on what to look for when designing a good irrigation system.

Availability: Available for interlibrary loan from OOFF under WACE number 00060

59 (091046)
MORRIS, W.V. * **Water** (see entry number 132 for complete reference)

60 (091788)
COON, D. * **Water pollution goes underground** * In: Probe post * Spring 1986 * 7-10

Aimed at the general public, this article examines groundwater contamination mainly from leaking underground storage tanks. As a source of drinking water to six million Canadians, groundwater needs to be protected from toxic chemicals to ensure that this source of high quality drinking water remains safe.

Availability: Available for interlibrary loan from OOFF under WACE number 00250

61 (089993)
Water works * In: Flare * July 1988 * 82-83

The value of drinking water to cool the body; the pros & cons of drinking tap, mineral, spring or distilled water; and concerns on how the body absorbs contaminants from the bath or shower are the major topics in this article.
Availability: Available for interlibrary loan from OOFF under WACE number 00011

62 (090008)
MILNE, M. * **Water, water everywhere ... and not a drop to drink** * In: United Church observer * United Church of Canada, Toronto, Ont * Oct 1984 * 36-42

Several examples on well contamination from landfill sites as well as water quality degradation from sewage disposal, synthetic-organic compounds and heavy metals are presented. This article discusses water purity and availability with portions of scripture included to illustrate instances where water is mentioned in the bible as God's creation. Man's role as steward of this creation is important in promoting his responsibility for its protection.
Availability: Available for interlibrary loan from OOFF under WACE number 00008

63 (090000)
Worrying over water * In: Canadian consumer * 1990 * 20(7/8) 29-46

This article offers practical advice to the consumer on how to find out if he has a tap water quality problem and how to choose the best treatment in the event of a problem. Information is presented on the most common contaminants in drinking water, where they come from, what their effects are, and what can be done about them. Water treatment methods most commonly available are described and suggestions are given on where they would or would not be useful.
Availability: Available for interlibrary loan from OOFF under WACE number 00001

Audiovisual Material

64 (092465)
Monsanto Canada Inc * **Ground water and agricultural chemicals** (see entry number 41 for complete reference)

65 (093312)
Your water : chapter II * In: Your green home : family action planner / MILLAR, S. ; JACKSON, S. * SOMA Film & Video, Toronto, Ont ; TV Ontario, Toronto, Ont * 1991 * 1 kit (2 pieces) : 1 guide (p33-69): 6 ref, ill; 1 videocassette (26 min): sd, col, VHS

This chapter of the Family Action Planner provides information and suggestions on reducing household water use and preventing water pollution. Activities are presented to enable you to determine your water use, decrease this amount, and stop water pollution. Information sheets on the hydrologic cycle and the importance of groundwater are included. This chapter also contains suggestions on water conservation in the home and outdoors and specific children's activities illustrating water pressure, making rain, cleaning water, and planting trees. A companion videocassette elaborates on the same themes of water conservation and water pollution.
Availability: Available at cost from SOMA Film & Video, 345 Carlaw Ave, Suite 200, Toronto, Ont M4M 2T1 (416) 466-0822, FAX (416) 466-9865

Information Analyses, Viewpoints

66 (089337)
RANKIN, M. * **Information and the environment : the struggle for access : chapter 6** * Butterworths, Toronto, Ont * 1981 * 285-332

This chapter comments on the existing legal framework for information disclosure in British Columbia, in Ontario and at the federal level. The effect of legislation, basically in the form of the United States Freedom of Information Act and the National Environmental Policy Act is considered and various reforms in Canada are examined. The powers of citizens to acquire information are reviewed and practices and policies of certain environmental agencies with respect to disclosure of information are examined. Sections are included on the status quo in Canada of the environmental impact assessment process and the effect of legislation on information access and legislative reform in Canada.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00031

Information Analyses, Viewpoints

67 (089337)
RANKIN, M. * **Information and the environment : the struggle for access : chapter 6** (see entry number 66 for complete reference)

Elementary Secondary Education

Teaching Guides

68 (092428)
Canadian Daily Newspaper Publishers Association * **Give earth a chance! : a newspaper-in-education environmental program for students** * Canadian Daily Newspaper Publishers Association * 1991? * 1 kit (13 pieces) : 1 teacher's guide; 8 pamphlets; 3 booklets; 1 poster: col, 28x43 cm

This kit is designed to help elementary and secondary students foster an awareness of and concern for the environment by using the newspaper. Sample schedules to observe Earth Day on April 22, 1991 provide two-hour module activities or ideas for all-day activities. The kit contains a teacher's manual, newspaper activities, environmental facts, tips on composting, craft activities using newspapers, newspaper scavenger hunts, in addition to a collection of supplementary resource material. The activities encourage student-generated initiatives aimed at waste reduction, recycling and re-use of products.
Availability: Available for interlibrary loan from OOFF under WACE number 00182

69 (091057)
Canadian Wildlife Federation * **Project WILD : activity guide** * Canadian Wildlife Federation , Ottawa, Ont * 1990 * xii, 462p

This teacher's manual features lively, hands-on and diverse educational activities designed to incorporate concepts related to people, wildlife and a healthy environment. It is aimed at teachers of kindergarten through high school students and is useful in science, social studies, language arts, mathematics, art, physical education and music classrooms. Each activity includes objectives, method, background, procedures, evaluation suggestions, recommended grade level, subjects, skills, duration, setting, concepts and key vocabulary. The activities address the major themes of awareness and appreciation of wildlife, wildlife conservation, wildlife and ecological systems, human values and wildlife, and wildlife issues and trends. The importance of water to people and wildlife is featured in many of the activities.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00131

Elementary Education

Teaching Guides

70 (091777)
CADUTO, M.J. ; BRUCHAC, J. * **Keepers of the earth : native stories and environmental activities for children**. - First Canadian edition * Fifth House Publishers , Saskatoon, Sask * 1989 * 209p

Targeted at the primary grades, this book uses Indian stories and legends as an introduction to subjects explored in the accompanying environmental activities. Subjects include creation, fire, the earth, wind and weather, water, the sky, seasons, plants and animals, life and death, and the unity of the earth. The "Water" section explores fresh water and its inhabitants, the open ocean and Inuit survival, and the seashore through stories, outdoor observations and simple activities. Each story is followed by a "Discussion" section that provides background information. A teacher's guide discusses the nature of Indian myths and cultures and offers suggestions to facilitate the use of stories and activities.
Library location: OKQ

Creative Works (Literature, Cartoons ...)

71 (089336)
Fisheries and Oceans Canada * **A fish tale!** * Communications Directorate, Fisheries and Oceans Canada , Ottawa, Ont * 1989 * 1 kit (3 pieces) : 1 workbook (16p, ill); 1 teacher's guide (4p, ill); 1 pin

This booklet traces the adventures of Dorsey, an imaginary fish. It focuses on the hazards encountered by fish in Canadian waters, including acid rain, pollution, and ocean dumping. Projects such as the Salmonid Enhancement Program and fish farming are described. Activities include: a glossary with definitions and a matching exercise; multiple choice questions about the story and the glossary; ideas for children on topics for stories and reports; a fish recipe; and, a crossword puzzle using words from the story and the glossary. The pamphlet is geared

toward the intermediate grades. A Dorsey pin and a teacher's guide that includes solutions to the quizzes are also available.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00025; Also available free from the Public Enquiries Unit, Communications Directorate, Fisheries and Oceans, Ottawa, Ont K1A 0E6 (613) 993-0999

72 (091777)
CADUTO, M.J. ; BRUCHAC, J. * **Keepers of the earth : native stories and environmental activities for children.** - First Canadian edition (see entry number 70 for complete reference)

Primary Education

Journal Articles

73 (090020)
LENNERT, J.W. * **The flooding of North America** * In: Journal of geography * Mar 1986-Apr 1986

This map interpretation game for primary grades involves children in the selection of a safe place on the map in the event of a flood. The 64 by 54 inch raised relief map of Canada includes the northern portion of the United States, about 50% of Alaska and most of Greenland. The game helps children to understand the relationship between land and water and the existence of different elevations on the earth's surface. The map requires some preliminary teacher preparation. The game also helps children understand the concept of rising sea levels by using paper boats with water added a little at a time.
Availability: Available for interlibrary loan from OOFF under WACE number 00047

Intermediate Grades

Guides - Classroom Use

74 (091058)
ROSS, M. ; OJHA, B. * **Jiksituik : listen to my story** * Environmental Protection Service, Environment Canada , Dartmouth, NS * nd * 1 kit (2 pieces) : 1 teacher's guide (18p): ill; 1 children's book (32p): ill

This kit, containing a storybook and a teacher's guide, is designed to be used as part of social studies and/or science studies in grades four and five. The illustrated story is narrated by a mythical character based on Micmac legend. It presents a chronological view of Canada's environmental conditions through the eyes of native peoples who lived across Canada when the European settlers arrived. Each section of the story includes suggested activities. The teacher's guide provides a structured approach for each section of the story. It suggests discussion topics and related activities and lists significant vocabulary and terms for each section. It is suggested that this kit be used in fall or spring as the activities lend themselves to those times of the year.
Availability: Available for interlibrary loan from OOFF under WACE number 00115

75 (092429)
Canadian Wildlife Federation * **Water : a mainstream issue for wildlife** * Canadian Wildlife Federation , Ottawa, Ont * 1991 * 1 kit (4 pieces) : 1 teacher's guide; 2 pamphlets; 1 poster: col, 56x86 cm

This 1991 Habitat 2000 kit contains a colour wall poster, a teacher/student instructional guide, Habitat 2000 update, and information on financial assistance for projects. Geared to the intermediate grades, it provides hands-on learning experiences on aquatic habitat and the importance of water to wildlife. Specific topics covered include wetlands and how to protect them, repairing riparian zones, eliminating household hazards, controlling nuisance plants, cleaning up one's community, and testing water quality.
Availability: Available for interlibrary loan from OOFF under WACE number 00178; Also available free from the Canadian Wildlife Federation, 1673 Carling Avenue, Ottawa, Ont K2A 3Z1 (613) 725-2191

Teaching Guides

76 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

77 (091721)
STRANKAY, K.; HADA, H.; KUSALIK, T.; HARNETT, L. ; BRANDT, T. * **Northern Saskatchewan International Children's Festival : environment tent, grades 4-8** (see entry number 281 for complete reference)

78 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

79 (091039)
CUSO, Carleton Local Committee * **Water for Tonoumassé** * Carleton Local Committee, CUSO * Mar 1988 * 1 kit (2 pieces) : 1 videocassette (29 min, 30 sec): sd, col, VHS; 1 teacher's guide (46p): tab, fig, ill

This kit containing a teacher's resource book and a video tells the story of Tonoumassé, a village in Togo. It tells how the people need a better water supply and how they work together to improve their lives. It is intended for intermediate teachers of geography, science and English for use in the context of the developing countries curriculum. The video tells the story of the arrival of a water pump in Tonoumassé as part of a rural water supply project organized by the Togolese government and CUSO. Teachers can choose activities such as small group discussion, story writing, or research projects to carry out a one to two week study focusing on water in a developing country.
Availability: Available from IDERA films, 2524 Cyprus Street, Vancouver, BC V6J 3N2 (604) 738-8815

Audiovisual Material

80 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** * Conservation and Protection, Environment Canada ; Access Network , Calgary, Alta * 1989 * 1 kit (2 pieces) : 1 teacher's guide (19p); 1 videocassette (14 min, 30 sec): sd, col, VHS

This kit is composed of a video and a teacher's guide and is a companion to Solving the harmony puzzle: your part. The video explores the relationship between humans and the environment – a relationship analogous to the way the pieces of a puzzle fit together. Through asking and answering questions about the environment and human use of natural resources, the program introduces the economy-environment link and the concept of sustainable development. Among the things that are discussed is water pollution from municipal sewage effluent. The video is designed for students in grades 5 through 8, but is relevant to higher grades as well. The teacher's guide, entitled Utilization guide to solving the harmony puzzle: environment and economy, is designed to acquaint teachers with the content and themes of the video. Key concepts and terms presented in the program are defined, and suggestions for activities support and extend the video program. One suggestion is the Harmony Game, a simulation of sustainable development for a renewable resource. Resource listings suggest related materials for teachers to acquire and the final section gives suggestions for using the video program effectively in the classroom.
Library location: OONL
Availability: Available at cost from the Access Network, Media Resource Centre, 295 Midpark Way, SE, Calgary, Alta T2X 2A8 (403) 256-1100

81 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** * Conservation and Protection, Environment Canada ; Access Network , Calgary, Alta * 1989 * 1 kit (2 pieces) : 1 teacher's guide (24p); 1 videocassette (14 min, 30 sec): sd, col, VHS

This kit is composed of a video and a teacher's guide and is a companion to The harmony puzzle: environment and economy. The video explores the link between consumer habits and the environment. The point is made that the individual is responsible for the environmental impacts caused by consumer purchases, since industry makes products that consumers want. Government makes environmental regulations that respond to public concerns and therefore, the power and responsibility to create a sustainable economy belongs to each individual. The concept of product life cycle is introduced and water conservation is highlighted as one way to affect change. The video is designed for students in grades 5 through 8, but is relevant to higher grades as well. The teacher's guide, entitled Utilization guide to solving the harmony puzzle: your part, is designed to acquaint teachers with the content and themes of the video. Key concepts and terms presented in the program are defined and suggestions for activities, including discussions, assignments, and field trips, are provided to support and extend the video program. Resource listings suggest related materials for teachers to acquire and the final section gives suggestions for using the video program effectively in the classroom.
Library location: OONL
Availability: Available at cost from the Access Network, Media Resource Centre, 295 Midpark Way, SE, Calgary, Alta T2X 2A8 (403) 256-1100

Secondary Education

Teaching Guides

82 (090748)
National Survival Institute * **Environmental citizenship : focus on toxic chemicals** * National Survival Institute , Ottawa, Ont * 1988 * vp

This manual provides the secondary school teacher with information on toxic chemicals which can be copied and distributed for class use. It is presented in the form of fact sheets on the presence of toxic chemicals in the environment, the transportation of hazardous wastes, the ozone layer, PCBs, hazardous waste management, and global concerns about the management of toxic chemicals. The focuses on environmental and economic concerns. Suggested curriculum applications in Nova Scotia, New Brunswick and Manitoba are presented in the areas of social studies, science, geography, and health education.
Availability: Available for interlibrary loan from OOFF under WACE number 00105; Also available from the National Survival Institute, 249 Nepean St, Ottawa, Ont K2P 0B7

83 (090339)
National Film Board of Canada * **Perspectives in science** (see entry number 85 for complete reference)

84 (092425)
Entrex Software Inc * **Pollution patrol** * Entrex Software Inc , Victoria, BC * 1987-1990 * 1 kit (2 pieces) : 1 teacher's guide (vi, 40p): 11 diag; 1 diskette (3.5 in)

This kit, containing a teacher's handbook and software, is geared towards social studies and environmental science classes in grades 7 to 9. It simulates the problems of pollution control by focusing on Misery, a port city suffering from air, water and land pollution. The student is hired to lead a group of concerned citizens to identify the pollution sources and how they affect the environment. He then has to propose a cost-effective solution to reduce or eliminate the pollution. Software is available in Apple and PC versions. Lesson plans, worksheets, and detailed computer program instructions are included in the teacher's handbook.
Availability: Available at cost from Entrex Software Inc, PO Box 30029, Saanich Centre Postal Outlet, 104-3995 Quadra Street, Victoria, BC V8X 5E1

Audiovisual Material

85 (090339)
National Film Board of Canada * **Perspectives in science** * National Film Board of Canada , Montreal, Que * 1989 * 1 kit (5 pieces) : 1 teacher's guide (59p): ill, photogr; 4 videocassettes (3 hr, 30 min): sd, col, VHS

This kit contains three one-hour interactive videos, one introductory video of the program and three copies of a comprehensive teacher's guide which offers teaching suggestions for individual and group work, including experiments, simulations, discussion questions, social action projects, interviews, research papers, surveys and debates. The videos, each starting with a short, open-ended drama, explore toxic waste, water and biotechnology. The toxic waste video explores chemicals, organic chemistry, and biomagnification of the food chain. The water video examines freshwater ecosystems and the effects of damming and diversion. The biotechnology video explores genetic engineering and implications of genetic research. The videos are organized as chapters in a book with a master menu table of contents. This series is intended primarily for students in grades 7 to 10 science classes and is also suitable for use in social studies courses concerned with environmental issues, in senior high science and society and environmental studies courses, and for project work in language arts classes. The integrated approach used in the series reflects the interdisciplinary approach used in science applications and technology.
Availability: Available at cost from the National Film Board Education D-5, PO Box 6100, Station A, Montreal, Que H3C 3H5

Computer Programs

86 (092425)
Entrex Software Inc * **Pollution patrol** (see entry number 84 for complete reference)

Junior High Schools

Teaching Guides

87 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

88 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

Audiovisual Material

89 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

90 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

High Schools

Books, Booklets

91 (090012)
Environment Canada * **The acid rain story** (see entry number 3 for complete reference)

Guides - Classroom Use

92 (091063)
Water : chapter 6 * In: Across Canada : resources and regions . - Second edition / HANNELL, C. ; HARSHMAN, R. * John Wiley & Sons , Toronto, Ont * 1987 * 1 kit (2 pieces) : 1 teacher's guide (p87-100, p221-228); 1 student workbook (p152-172): fig, tab

Across Canada, a Grade 9 general-level geography textbook approved for use in Ontario schools by the Ministry of Education, consists of a teacher's manual and a student workbook. Chapter 6 of both books is devoted to water. The student's workbook contains exercises, information maps, diagrams, games, and crossword puzzles on this subject. Many aspects of water are covered including water supply and use in Canada, groundwater, water management, water shortage, pollution, hydrologic cycle, drainage basin of a river, water runoff, and water surplus. The teacher's manual covers the same topics with numerous suggestions and techniques for teaching the content.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00117

Primary Education

Creative Works (Literature, Cartoons ...)

93 (091021)
CAMERON, A. * **Raven returns the water** * Harbour Publishing Co Ltd , Madeira Park, BC * 1987 * 28p

This Indian folktale about a raven and a frog illustrates the need to use water wisely and cooperatively to the benefit of all of its users. Geared to the primary child, the story is beautifully illustrated through Indian art.

Library location: OONL
Availability: Available for interlibrary from OOFF under WACE number 00091

Elementary Secondary Education

Guides

94 (089335)
Environment Canada, Communications Directorate * **What we can do for our environment : hundreds of things to do now** (see entry number 44 for complete reference)

Elementary Education

Instructional Material

95 (089997)
Environment Canada * **Let's unpollute** * Environment Canada , Ottawa, Ont * 1973 * 31p

This handbook is designed for use by elementary school students to help them learn about the importance of protecting their environment. Activities such as crossword puzzles and drawings and ideas for class projects such as experiments and items for discussion are used to supplement sections on water pollution, air pollution, noise pollution, and waste disposal. Classroom activities are provided to explore the causes of water pollution, things that can be done to reduce water pollution, the water cycle, and dangers to our water supply.

Availability: Available for interlibrary loan from OOFF under WACE number 00016; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

Posters, Charts

96 (089600)
Environment Canada, Conservation and Protection * **Acid rain** * Conservation and Protection, Environment Canada * 1990? * 1 poster : b&w, 60x43 cm; 1 poster : b&w, 43x28 cm

The smaller of the two posters which can be reproduced is designed to be coloured by elementary school aged children. It depicts the problem of acid rain starting with the pollution caused by industries, smelters, power plants, cars and trucks. It then follows the path of these pollutants through the atmosphere and subsequent deposition causing damage to rivers, lakes, fish and plants. The larger poster is suitable for display.

Availability: Available for interlibrary loan from OOFF under WACE number 00030; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

Primary Education

Instructional Material

97 (091750)
KILL, S. * **My earth book** * EB Publications , Toronto, Ont * 1990 * 24p

This activity book is designed to develop young children's awareness of nature and to show them how our current use of energy, chemicals and earth's resources is changing the natural world. The child is encouraged to observe the world of plants and animals in rivers and lakes and to appreciate how small the earth's freshwater supply really is. Practical ideas for guiding young children in doing things that harmonize with nature are presented.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00222; Also available from EB Publications, 28 Beaufort Road, Toronto, Ont M4E 1M7 (416) 690-7430

Creative Works (Literature, Cartoons ...)

98 (091018)
SAUNDERS, G.L. * **The brook and the woodcutter : a forestry fable** * Nova Scotia Department of Lands and Forests * 1979 * 23p

This fable geared to primary age children tells the story of the destruction of a river caused by man's greed for bigger and better houses. Indiscriminate clearing of trees for lumber left the earth unprotected and dry and easy to burn if fires were carelessly lit. The river is transformed from being clean, peaceful and slow-moving to fast-moving and dirty and the cause of a severe flood which eventually destroys the houses. The story ends with a return aided by Beatrice's friend, the woodcutter, to careful resource conservation.
Library location: OONL
Availability: Available for interlibrary from OOFF under WACE number 00082

99 (091766)
Environment Ontario * **Envo and Enva visit the Earth to check the water** * Environment Ontario , Toronto, Ont * 1990 * 4p

This comic brochure, suitable for students in the primary grades, teaches children the importance of clean water for both nature and society. This is accomplished mainly by reviewing the sources of water pollution.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00207; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

Intermediate Grades

Books, Booklets

100 (090738)
Canadian Wildlife Federation * **You can do it!** * Canadian Wildlife Federation , Ottawa, Ont * 1990 * 21p

This handbook geared to the intermediate grades encourages children to get involved in protecting their environment. It lists many ways in which children can help wildlife and wildlife habitats, control air and water pollution, save energy, recycle, and limit the amount of garbage that they throw away.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00111; Also available from Canadian Wildlife Federation, 1673 Carling Ave, Ottawa, Ont K2A 3Z1

Fact Sheets, Brochures, Leaflets

101 (091747)
Soil Conservation Society of America, Ontario Chapter * **Water** * Soil Conservation Society of America, Ontario Chapter , Toronto, Ont * nd * 8p

This leaflet, suitable for intermediate and junior high school students, explains the importance of water and the need to protect our water supplies. Water composition, water uses, the water cycle, natural storage, watersheds, water problems including floods, pollution, irrigation, and drainage, and the transportation of water are examined. Activities are suggested to enable the student to learn more about water.
Availability: Available for interlibrary loan from OOFF under WACE number 00224

Instructional Material

102 (091049)
DEHR, R. ; BAZAR, R.M. * **Good planets are hard to find! An environmental information guide, dictionary, and action book for kids (and adults)** * Earth Beat Press , Vancouver, BC * 1989 * 39p

This booklet, geared to the intermediate grades, is a dictionary of terms connected to the environment. It is brightly illustrated and provides many cross references to other relevant terms. Included at the end of each definition are suggestions on ways to protect the environment that have some bearing on the term being defined. For example, in the definition of water, two water conservation suggestions are presented. Environmental awareness activities are used in conjunction with the letters X, Y and Z.
Library location: NSDE
Availability: Available for interlibrary loan from OOFF under WACE number 00116; Also available at cost from Earth Beat Press, P.O. Box 33852, Station D, Vancouver, BC V6J 4L6 (604) 736-6931

103 (091020)
GRANT, J.E. * **The kids' green plan : how to write your own plan to save the environment** * Pembroke Publishers Limited , Markham, Ont * 1990 * 33p

This handbook explains what young children can do to help protect the environment. The child learns

about endangered wildlife, water conservation, pollutants in drinking water, water costs, acid rain, garbage, forests, and Canada's green plan. He is then encouraged to write his own green plan by choosing an environmental problem to be solved and then deciding how to solve it. Some new ideas about the environment such as belonging to environmental organizations and finding out what other children are doing are presented along with helpful hints on how to write, illustrate and publish articles. Simple experiments, activities and suggestions for further readings are presented.
Library location: OONL
Availability: Available for interlibrary from OOFF under WACE number 00092; Also available in French from Les éditions de la Cheneliere inc, 215, rue Jean-Talon est, Montréal, Qc H2B 1S9

104 (091026)
Canadian Wildlife Federation * **Local action brings worldwide results** * Canadian Wildlife Federation , Ottawa, Ont * 1989 * 24p

This is the second year of a 10-year Habitat 2000 programme designed for teachers to assist young Canadians aged nine to twelve in completing wildlife habitat improvement schemes. This handbook is on sustainable development and contains action ideas for hands-on learning experiences. Ideas presented include adopting an ecosystem, planting trees, creating a wildlife garden, maintaining wild spaces, recycling resources, reducing pollution such as acid rain, and educating the community. A checklist shows what environmental protection was achieved through the various activities undertaken.
Availability: Available for interlibrary from OOFF under WACE number 00093; Also available from the Canadian Wildlife Federation, 1673 Carling Avenue, Ottawa, Ont K2A 3Z1 (613) 725-2191

105 (091815)
ELLIS, T. ; SCANLAN, T. * **Make a difference : student activities for a better environment** * Is Five Press , Toronto, Ont * 1989 * 52p

This activity book, targeted at students in grades 4 to 8, presents exercises and activities on waste management, energy management, transportation, and recycling. The effects of hazardous waste disposal on local streams and landfill sites are discussed. The flexible format allows the teacher to decide how much time and energy to focus on a particular area of interest. Important words with definitions are included in the glossary.
Library location: OKQ
Availability: Available for interlibrary loan from OOFF under WACE number 00291; Also available at cost from Is Five Press, 400 Mount Pleasant Rd, Toronto, Ont M4S 2L6

Journal Articles

106 (090030)
Elmo E. Man, environmental detective (see entry number 110 for complete reference)

107 (090031)
GRAY, J. * **Play the environmental detective game** (see entry number 111 for complete reference)

108 (090028)
WYATT, V. * **Wet facts about water** * In: Owl * May 1986 * 11(5) 6-7

Four interesting facts about water geared to the intermediate student are briefly described. These include the high content of water in soil, the plan to use icebergs for water in the dry Middle East, and the gradual sinking of Houston, Texas, brought about by pumping out underground aquifers. The fourth fact is presented in the form of a simple experiment demonstrating how and why a cork floats in a glass of water away from the sides of the glass.
Availability: Available for interlibrary loan from OOFF under WACE number 00049

109 (090029)
WYATT, V. * **You're all wet** * In: Owl * May 1986 * 11(5) 8-9

Eight interesting facts about water geared to the intermediate grades are presented. They relate mainly to the body's need for and uses of water such as the relationship between eating salty foods and thirst, where water is found in the body, and why the body needs water. Quantities of water used in simple activities such as flushing the toilet, watering the garden, and cooking are shown.
Availability: Available for interlibrary loan from OOFF under WACE number 00049

Creative Works (Literature, Cartoons ...)

110 (090030)
Elmo E. Man, environmental detective * In: Owl * May 1986 * 11(5) 10-11

The story of Elmo E Man, the environmental detective whose job is to track down polluters and bring them to justice, is told through a comic strip. Elmo E Man investigates a complaint of dead fish and traces the source to a leather tanning company which dis-

posed its wastes into a gravel pit upstream of the river. Air, soil and water samples from the pit confirmed the suspicion.
Availability: Available for interlibrary loan from OOFF under WACE number 00049

111 (090031)
GRAY, J. * **Play the environmental detective game** * In: Owl * May 1986 * 11(5) 12-13, 29

In this game suitable for the intermediate grades the player is a rainbow trout swimming downriver. The player rates the ten experiences along the way as a benefit or hazard with points accrued for each correct answer. The answers are provided at the end of the game. Benefits or hazards include pesticide spraying, oil spills, insects on an overhanging bush, fallen tree in the river, water sucked into a power station, cattle in the river, and landfill site leaking into the river.
Availability: Available for interlibrary loan from OOFF under WACE number 00049

Secondary Education

Books, Booklets

112 (091828)
Environment Canada * **The environment needs you** (see entry number 7 for complete reference)

113 (090736)
Harmony Foundation of Canada * **Home & family guide : practical action for the environment** (see entry number 10 for complete reference)

114 (091846)
Environment Canada * **A pollution primer** (see entry number 12 for complete reference)

Fact Sheets, Brochures, Leaflets

115 (089849)
Environment Canada, Inland Waters and Lands Directorate * **Acid rain : a national sensitivity assessment** (see entry number 14 for complete reference)

116 (089348)
Environment Canada, Conservation and Protection * **Clean water - life depends on it!** (see entry number 17 for complete reference)

117 (089350)
Environment Canada, Conservation and Protection * **Groundwater - nature's hidden treasure** (see entry number 20 for complete reference)

118 (091047)
Environment Canada, Conservation and Protection * **Health of our oceans : an overview of Canadian marine environmental quality**. - Revised (see entry number 21 for complete reference)

119 (090009)
Environment Canada, Inland Waters Directorate, Western and Northern Region * **A river under siege** = Une rivière assiégée (see entry number 26 for complete reference)

120 (089347)
Environment Canada, Conservation and Protection * **Water - here, there and everywhere** (see entry number 30 for complete reference)

121 (089346)
Environment Canada, Conservation and Protection * **Water - nature's magician** (see entry number 31 for complete reference)

122 (089349)
Environment Canada, Conservation and Protection * **Water works!** (see entry number 34 for complete reference)

123 (091045)
Environment Canada, Canadian Wildlife Service * **Wetlands** * Environment Canada, Canadian Wildlife Service, Ottawa, Ont * 1980 * 5p

This leaflet describes wetlands in Canada and provides information on types of wetlands, their location, their use as wildlife habitats, the presence of aquatic life, and their intrinsic value to the environment. It encourages the public to get involved in preserving this threatened resource and presents suggestions on how this can be achieved.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00118

Guides

124 (089339)
Environment Canada, Conservation and Protection * **A primer on water : questions and answers.** - Second edition (see entry number 42 for complete reference)

125 (089345)
Environment Canada * **Water : no time to waste : a consumer's guide to water conservation** (see entry number 43 for complete reference)

Instructional Material

126 (089344)
Environment Canada * **The green scene** * Environment Canada * 1991 * 13p

This booklet is designed to convey the message that Canadians can either be irresponsible consumers and part of the pollution problem or responsible consumers and part of the pollution solution. Information is provided on taking care of waste; how to practise the four Rs of reduce, recover, reuse and recycle; solid waste; things one can do to reduce waste; ecosystems; and, pollution. A brief description of Environment Canada focuses on the Canadian Parks Service, the Atmospheric Environment Service, and the Conservation and Protection Service. The environmental protection responsibilities of various levels of government are outlined. Activites such as an environment quiz, a crossword puzzle, a recycling game and a world model kit are provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00028; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

Serials, Journals

127 (093216)
Canadian International Development Agency (CIDA) ; National Film Board of Canada (NFB) * **Mother Earth** * In: Under the same sun * MEDIA-SPHERE, Youth Editions , Hull, Que * Fall 1991 * 21p

This publication contains a collection of beautifully-illustrated articles geared to the secondary school student on the fragility of the earth's resources. The articles encourage students to get involved in protecting their environment by describing such environmental disasters as water pollution, forest destruction, and air pollution. A world enviro-quiz tests the student's knowledge of global pollution problems.
Availability: Available for interlibrary loan from OOFF under WACE number 00407; Also available free from MEDIA-SPHERE, Youth Editions, PO Box 1310, Postal Stn B, Hull, Qc J8X 3Y1

128 (091019)
Canadian International Development Agency (CIDA) * **Water = L'eau** * In: Under the same sun * Canadian International Development Agency , Hull, Que * Fall 1988 * 16p * 1 poster : col, 28x43 cm

This issue of Under the same sun magazine geared for young people aged 12 to 15 discusses water as a particular aspect of international development and focuses on the need for international resource conservation through cooperation and knowledge of one another. Described are flood water control in Tunisia, water demand in Peru, and water facts about Indonesia. Crossword puzzles, quizzes, and fact sheets on water are included.
Library location: OONL
Availability: Available for interlibrary from OOFF under WACE number 00046; Also available free from Youth Editors, Canadian International Development Agency, PO Box 1310, Postal Station B, Hull, Que J8X 9Z9

Junior High Schools

Fact Sheets, Brochures, Leaflets

129 (091747)
Soil Conservation Society of America, Ontario Chapter * **Water** (see entry number 101 for complete reference)

Instructional Material

130 (091815)
ELLIS, T. ; SCANLAN, T. * **Make a difference : student activities for a better environment** (see entry number 105 for complete reference)

High Schools

Descriptive Reports

131 (069677)
GOSSAGE, P. * **Water in Canadian history : an overview** * Inquiry on Federal Water Policy * Mar 1985 * 134p

This research paper treats the history of water, the use and development in Canada from earliest times until roughly 1960. The discussion is organized into seven sections. The first six sections correspond to specific historical periods, and attention is focused mainly on the increasingly complex relationship between human societies and their water environment in northern North America. A brief outline of some of the geological forces which shaped that environment is followed by sections treating the importance of water to native peoples, to Canada's earliest explorers and traders, to the first European settlers in the seventeenth and eighteenth centuries, to the expanding agricultural and industrial communities of the nineteenth century, and to twentieth-century Canadian society. The final section shifts attention to the role of the federal government in the development and management of the water resource in the period from 1850 to about 1930.(au)
Library location: OON

. 132 (091046)
MORRIS, W.V. * **Water** * Inland Waters Branch, Department of Energy, Mines and Resources , Ottawa, Ont * 1968 * 60p

This booklet provides the public with a comprehensive look at the importance of water in sustaining life on earth, the origin of the world's water, fresh water supply in Canada and the world, and the effects of conflicting demands for water on development and conservation. Canada's water problems--including floods, water shortages, and pollution--are examined. A discussion of the division of responsibility for water resource development in Canada between the federal and provincial governments, shows that the two levels of government need to cooperate in order to manage our water resources wisely.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00112

Postsecondary Education

Descriptive Reports

133 (069677)
GOSSAGE, P. * **Water in Canadian history : an overview** (see entry number 131 for complete reference)

Fact Sheets, Brochures, Leaflets

134 (089849)
Environment Canada, Inland Waters and Lands Directorate * **Acid rain : a national sensitivity assessment** (see entry number 14 for complete reference)

135 (089348)
Environment Canada, Conservation and Protection * **Clean water - life depends on it!** (see entry number 17 for complete reference)

136 (089350)
Environment Canada, Conservation and Protection * **Groundwater - nature's hidden treasure** (see entry number 20 for complete reference)

137 (089347)
Environment Canada, Conservation and Protection * **Water - here, there and everywhere** (see entry number 30 for complete reference)

138 (089346)
Environment Canada, Conservation and Protection * **Water - nature's magician** (see entry number 31 for complete reference)

139 (089349)
Environment Canada, Conservation and Protection * **Water works!** (see entry number 34 for complete reference)

Guides

140 (089339)
Environment Canada, Conservation and Protection * **A primer on water : questions and answers.** - Second edition (see entry number 42 for complete reference)

50

141 (089345)
Environment Canada * **Water : no time to waste : a consumer's guide to water conservation** (see entry number 43 for complete reference)

Directories, Catalogues

142 (034983)
Department of the Environment * **Environment source book : a guide to environmental information in Canada** (see entry number 1 for complete reference)

Fact Sheets, Brochures, Leaflets

143 (089348)
Environment Canada, Conservation and Protection * **Clean water - life depends on it!** (see entry number 17 for complete reference)

144 (091843)
Health and Welfare Canada, Health Protection Branch * **Drinking water guidelines** (see entry number 19 for complete reference)

145 (089350)
Environment Canada, Conservation and Protection * **Groundwater - nature's hidden treasure** (see entry number 20 for complete reference)

146 (091747)
Soil Conservation Society of America, Ontario Chapter * **Water** (see entry number 101 for complete reference)

147 (089347)
Environment Canada, Conservation and Protection * **Water - here, there and everywhere** (see entry number 30 for complete reference)

148 (089346)
Environment Canada, Conservation and Protection * **Water - nature's magician** (see entry number 31 for complete reference)

149 (089349)
Environment Canada, Conservation and Protection * **Water works!** (see entry number 34 for complete reference)

150 (091830)
Health and Welfare Canada ; Environment Canada * **Wilderness water : a guide to wilderness drinking water** = Les eaux naturelles : guide pour la consommation de l'eau dans la nature (see entry number 40 for complete reference)

Guides

151 (092465)
Monsanto Canada Inc * **Ground water and agricultural chemicals** (see entry number 41 for complete reference)

152 (089339)
Environment Canada, Conservation and Protection * **A primer on water : questions and answers**. - Second edition (see entry number 42 for complete reference)

153 (089345)
Environment Canada * **Water : no time to waste : a consumer's guide to water conservation** (see entry number 43 for complete reference)

154 (089335)
Environment Canada, Communications Directorate * **What we can do for our environment : hundreds of things to do now** (see entry number 44 for complete reference)

Instructional Material

155 (091815)
ELLIS, T. ; SCANLAN, T. * **Make a difference : student activities for a better environment** (see entry number 105 for complete reference)

Teaching Guides

156 (091057)
Canadian Wildlife Federation * **Project WILD : activity guide** (see entry number 69 for complete reference)

Audiovisual Material

157 (092465)
Monsanto Canada Inc * **Ground water and agricultural chemicals** (see entry number 41 for complete reference)

Information Analyses, Viewpoints

158 (089337)
RANKIN, M. * **Information and the environment : the struggle for access : chapter 6** (see entry number 66 for complete reference)

Reports

159 (077775)
Canada Committee on Land Use * **A framework for wetland policy in Canada** * Dec 1987 * 7p

Strategies to consider in the development of policies related to the use and management of wetland resources, including their protection and restoration are presented. Policy strategies are recommended: to ensure that wetland values are fully integrated in, and influential on, land use and management decisions; to secure and manage important wetlands and their resources; to improve the knowledge base related to wetlands, their ecological functions, their social and economic value, and their protection and management; and to develop and support education and information programs to promote the importance, role, values and uses of wetlands and their resources.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00252

160 (073498)
MAREAN, J.H. * **The use of schools in the development and promotion of water policy** * 1984? * 8p

This personal submission states that children and youth should be involved through the schools in any program which may come out of the Inquiry on Federal Water Policy. The hope is that some national effort will provide ways for this segment of society to be represented in the gathering of information and the formulation of solutions to water management problems. A discussion of schools today, students as data gatherers, and application of creating and distributing teaching resource materials to the study of water in Canada, is presented. Areas explored are ways in which the federal government could elevate the concern about water and its uses in the elementary and secondary school level and increasing public awareness.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00276

Evaluative Reports

161 (091725)
National Survival Institute * **Report on water education in Canada** * National Survival Institute * July 1989 * vp

This report describes and assesses the current level of education about water in Canada and presents recommendations for action by a range of organizations. What is being taught from kindergarten to grade 12 by province in the areas of water supply, shared water resources, water quality, water use, and climate change are outlined. Recommendations presented in the areas of curriculum, issues and concerns, and materials and professional development are intended to improve water education which the report concludes has been generally fragmented and not systematically planned.

Availability: Available for interlibrary loan from OOFF under WACE number 00179

Fact Sheets, Brochures, Leaflets

162 (090010)
Environment Canada * **Municipal water rates in Canada : current practices and prices** (see entry number 25 for complete reference)

Guides - Non-Classroom Use

163 (093258)
BLOOMFIELD, M. (ed) ; WARD-WHATE, L. (ed) ; COLLINS, C. (ed) * **Workplace guide : practical action for the environment** (see entry number 46 for complete reference)

Journal Articles

164 (089995)
REYNOLDSON, T. ; HAMPEL, L. ; MARTIN, J. * **Biomonitoring networks operated by schoolchildren** * In: Environmental pollution. Series A * 1986 * v43 363-380

The considerable logistical problems involved in large-scale monitoring networks could be overcome in part by establishing a biological water quality network of stations operated by high schools. Measurement of benthic invertebrate community structure obtained in a pilot project involving five schools produced results that were reliable with regard to collecting and identification efficiency. Early results from a network that includes more than 20 teachers and 500 students at 12 schools show an ability to identify changes in stream water quality.(au)

Availability: Available for interlibrary loan from OOFF under WACE number 00002

Books, Booklets

165 (090625)
KAY, B.H. * **Pollutants in British Columbia's marine environment** * Conservation and Protection, Environment Canada , West Vancouver, BC * 1989 * 12p

This booklet provides information about sources and effects of the pollutants that threaten British Columbia's fragile marine environment. It looks in particular at the persistent pollutants like trace metals, PCBs, dioxins and furans, and polycyclic aromatic hydrocarbons (PAHs). Other threats include marine spills and ocean dumping. Some of the steps being taken by governments and industries to better control pollution are described. This sheet also summarizes the information presented in the first State of the Environment report on pollutants in British Columbia's marine environment containing data for 1970-86 and supplements this with 1986-88 data and current information on programs and regulations.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00144

166 (093183)
Province of British Columbia, Ministry of Environment, Water Management Branch, Groundwater Section * **Practical information on groundwater development**. - Revised fourth edition * Province of British Columbia, Ministry of Environment, Groundwater Section, Water Management Branch , Victoria, BC * 1984 * 20p

This publication has been produced to supply well owners, or prospective well owners, with information to avoid certain difficulties in the development and use of water below the surface of the ground. Information is given on the occurrence of groundwater, on wells and well construction including artesian wells, and the costs of well construction. A section is included on well testing, on water quality, and on pumps and pumphouses. Pollution prevention and guidelines for hiring a water well contractor are also provided.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00386; Also available from the Groundwater Section, Water Management Division, BC Ministry of Environment, 4th fl, 765 Broughton St, Victoria, BC V8V 1X5 (604) 387-1115, FAX (604) 356-5496

Fact Sheets, Brochures, Leaflets

167 (092268)
Province of British Columbia * **Application for water licence : province of British Columbia** * Province of British Columbia, Water Rights Branch , Victoria, BC * nd * 1p

Water licensing application procedures in British Columbia as well as a water licence application form are provided in this folder. Water licences are issued for domestic use, irrigation, mining, power, land improvement, conservation, waterworks, storage, mineral trading, industrial use, and other miscellaneous uses. A list of water management offices with addresses and telephone numbers is included.

Availability: Available for interlibrary loan from OOFF under WACE number 00324; Also available free from the Water Licensing Section, Water Rights Branch, Ministry of Environment, 2nd fl, 765 Broughton St, Victoria, BC V8V 1X5 (604) 387-5981, FAX (604) 387-1898

168 (090611)
British Columbia Ministry of Environment and Parks * **Are you killing your fish?** * British Columbia Ministry of Environment and Parks , Victoria, BC * 1987 * 4p

This brochure cautions citizens against dumping hazardous household products into storm drains. An explanation of the Storm Drain Marking Program, a list of common household products that are hazardous to fish and contact information for local recycling and disposal facilities, are provided.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00147

169 (090615)
Environment Canada, Flood Damage Reduction Program, Pacific & Yukon Region ; British Columbia Ministry of Environment, Water Management Branch, Floodplain Mapping Program * **Canada-British Columbia Floodplain Mapping Program : an essential step for reducing flood damage** * Environment Canada , Vancouver, BC ; British Columbia Ministry of Environment , Victoria, BC * nd * 5p

In addition to outlining the floodplain mapping activities taking place in British Columbia, this brochure provides definitions for such terms as floodplains and floodproofing. Citizens are told how to obtain mapsheets for their areas, and how to get more information on bylaws regulating construction in floodprone areas and on the floodplain mapping program itself.

Availability: Availableffor interlibrary loan from OOFF under WACE number 00148

170 (090612)
British Columbia Ministry of Environment and Parks *** Eurasian water milfoil in British Columbia *** British Columbia Ministry of Environment and Parks, Victoria, BC * 1987 * 5p

This brochure advises individuals on how to control the spread of Eurasian water milfoil (Myriophyllum spicatum L.), an aquatic plant that interferes with recreational water use and water management in British Columbia.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00150

171 (090614)
British Columbia Ministry of Environment, Fish and Wildlife *** Streams and the property owner : understanding the responsibility *** Ministry of Environment, Fish and Wildlife, Lower Mainland Regional Headquarters, Surrey, BC * 1988 * 5p

This brochure discusses streams as fish habitat and advises property owners near or on streams how to ensure fish have the conditions they need to survive. Topics include: vegetation, altering the shoreline, erosion, turbidity, water temperature, other aquatic life, and streamflow.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00149

172 (090610)
British Columbia Ministry of Environment and Parks *** Water : never enough to waste *** British Columbia Ministry of Environment and Parks, Victoria, BC * 1988 * 2p

Homeowners are provided with tips to conserve water in the home and garden, while farmers are provided with irrigation techniques that will conserve water in the orchard and vineyard.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00145

173 (090618)
Province of British Columbia, Ministry of Environment *** Water : our priceless resource *** Ministry of Environment, Province of British Columbia, Victoria, BC * 1983? * 6p

This brochure provides basic answers to questions about British Columbia's water resources including: where the province's freshwater comes from, how much rainfall is received, and how the water is used. In the course of answering these questions, the activities of the BC Ministry of Environment are discussed.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00146

174 (093235)
British Columbia Medical Association *** Water wellness : you are the key to a healthy BC *** British Columbia Medical Association, Vancouver, BC * nd * 5p

The many things that individuals can do to improve the quality of their water supply are discussed in this brochure. Topics include water wastage and the sources of water pollution, community water improvement strategies, hazardous waste disposal, caring for streams, reducing urban runoff, protecting watershed areas and recreational waters, and improving industrial responsibility.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00425; Also available from the British Columbia Medical Association, 115-1665 West Broadway, Vancouver, BC V6J 5A4 (604) 736-5551

175 (093234)
British Columbia Medical Association *** Your planet : you are the key to a healthy BC *** British Columbia Medical Association, Vancouver, BC * Jan 1990 * 5p

The number and complexity of environmental concerns are growing all the time. This leaflet presents an overview of the issues of environmental degradation to those interested in correcting the problems. Topics discussed include air quality issues such as global warming, ozone depletion and acid rain, water quality, land use, waste production, and the interrelationship of these problems. A list of suggestions for improving the environment is also provided.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00424; Also available from the British Columbia Medical Association, 115-1665 West Broadway, Vancouver, BC V6J 5A4 (604) 736-5551

Journal Articles

176 (090026)
SWANSON, D. * **Eau reservoir : saying goodbye to well-water worries** (see entry number 53 for complete reference)

177 (090035)
QUINN, H. * **Sludge wars : the fight for clean B.C. water** * In: Maclean's * 15 Jan 1990 * p40

Water pollution in British Columbia's rivers and coastal waters continues to be a major problem. The presence of dioxins and furans caused mainly by effluent discharges of pulp and paper mills has been confirmed. Critics argue that lack of enforcement of regulations governing effluent discharges by pulp and paper mills by the provincial and federal governments is contributing to widespread water pollution in the province.
Availability: Available for interlibrary loan from OOFF under WACE number 00056

Audiovisual Material

178 (091065)
Waterhen Film Productions * **Pacific estuaries : where rivers join the sea** * Waterhen Film Productions * nd * 1 videocassette (28 min) : sd, col, VHS

This video captures the beauty of the estuaries on the Pacific coast of British Columbia. A combination of moisture, salinity, elevation, and vegetation make these estuaries perfect habitats for an abundance of Pacific salmon, killer whales, waterfowl, western sandpipers, grizzly bears, and bald eagles. Commercial development in the form of sawmills, ports, fish canneries, and transportation terminals, together with residential development and increasing tourism activities, are threatening this fragile environment. Although steps are being taken by industries to control wastewater disposal into the estuaries, much more needs to be done and it up to a vocal public to ensure that this environment is preserved.
Availability: Available for interlibrary loan from OOFF under WACE number 00132

Bibliographies

179 (091024)

GLADSTONE, A. * **Environmental information guide for B.C. : where to get information to help you learn more about the environmental crisis and do something about it**. - Second edition * SPEC , Vancouver, BC * July 1977 * 25p

Not abstracted.

Library location: OONL

Availability: Available for interlibrary from OOFF under WACE number 00085; Also available from SPEC, 1603 West 4th Ave, Vancouver, BC V6J 1L8 (604) 736-5601

Secondary Education

Books, Booklets

180 (090625)
KAY, B.H. * **Pollutants in British Columbia's marine environment** (see entry number 165 for complete reference)

Audiovisual Material

181 (091065)
Waterhen Film Productions * **Pacific estuaries : where rivers join the sea** (see entry number 178 for complete reference)

Postsecondary Education

Books, Booklets

182 (090625)
KAY, B.H. * **Pollutants in British Columbia's marine environment** (see entry number 165 for complete reference)

Audiovisual Material

183 (091065)
Waterhen Film Productions * **Pacific estuaries : where rivers join the sea** (see entry number 178 for complete reference)

Bibliographies

184 (091024)
GLADSTONE, A. * **Environmental information guide for B.C. : where to get information to help you learn more about the environmental crisis and do something about it**. - Second edition (see entry number 179 for complete reference)

Audiovisual Material

185 (091065)
Waterhen Film Productions * **Pacific estuaries : where rivers join the sea** (see entry number 178 for complete reference)

Fact Sheets, Brochures, Leaflets

186 (091799)
Government of the Yukon, Department of Renewable Resources * **Wilderness travellers' no trace checklist or how to keep others from knowing you were there!** * Department of Renewable Resources, Government of the Yukon , Whitehorse, YT * nd * 7p

This brochure was designed to instruct campers and hikers in the Yukon wilderness on ways to ensure that they leave the surroundings unspoiled by their presence. Tips on preserving water quality are included as part of the advice.
Availability: Available for interlibrary loan from OOFF under WACE number 00286; Also available free from the Department of Renewable Resources, Government of the Yukon, Box 2703, Whitehorse, YT Y1A 2C6

Serials, Journals

187 (091847)
Yukon Department of Renewable Resources * **Environment matters** * Yukon Department of Renewable Resources , Whitehorse, YT * Dec 1990- * no 1-

This bi-monthly Yukon government newsletter reports on a wide range of environmental initiatives in the Yukon. It aims to provide information about local conservation projects, updates on new policies and legislation, and tips on environmentally friendly living.
Availability: Available from Environment Matters, Yukon Renewable Resources, PO Box 2703, Whitehorse, YT Y1A 2C8 (403) 667-3415 or 1-800-661-0408

Fact Sheets, Brochures, Leaflets

188 (091799)
Government of the Yukon, Department of Renewable Resources * **Wilderness travellers' no trace checklist or how to keep others from knowing you were there!** (see entry number 186 for complete reference)

Books, Booklets

189 (090336)
Environment Canada, Communications Branch, Western and Northern Region * **A practical family kit on saving resources, saving money, and ... saving the environment**. - Reprinted 1986 * Communications Branch, Western and Northern Region, Environment Canada , Edmonton, Alta * 1984 * 1 kit (8 pieces) : 1 folder; 7 leaflets

This family save-it kit contains information about the environmental effects of household garbage, pesticides, and wasteful home heating. It encourages individuals to start thinking about the environmental consequences of their daily routine. Specific suggestions for things individuals can do at home, at work, and at leisure to save energy, resources, money, and ultimately the environment, are presented. The kit includes an environmental awareness quiz, a conservation checklist, suggested reading, contact persons, and a free publications list, for each of the topics covered.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00018

Fact Sheets, Brochures, Leaflets

190 (091842)
Prairie Provinces Water Board * **Water use trends in the Saskatchewan-Nelson Basin** * Prairie Provinces Water Board , Regina, Sask * July 1991 * 6p

This leaflet discusses the many uses of water in the Saskatchewan-Nelson basin. Figures are provided for municipal water use including both small and large communities, industrial water use, generation of electrical energy, and agricultural water use.

Availability: Available for interlibrary loan from OOFF under WACE number 00304; Also available free from the Prairie Provinces Water Board, 201-2050 Cornwall St, Regina, Sask S4P 2K5 (306) 522-6671, FAX (306) 780-6810

Serials, Journals

191 (092426)
Saskatchewan Research Council ; Alberta Agriculture, Engineering Services ; Saskatchewan Water Corporation ; Agriculture Canada, Prairie Farm Rehabilitation Administration * **Prairie water news** * Saskatchewan Research Council ; Alberta Agriculture, Engineering Services ; Saskatchewan Water Corporation ; Agricultue Canada, Prairie Farm Rehabilitation Administration * 1991- * 1(1)-

This semi-annual newsletter is designed to inform the rural public and technical people across the prairies about water supply and water quality. The articles are written by concerned prairie farmers, researchers, and industry and government personnel. Topic areas covered include dugout and well water supply, livestock water quality, household water treatment, water pumping systems, chemical contamination of water and municipal water concerns.

Availability: Available at cost from Prairie Water News, c/o Saskatchewan Research Council, 15 Innovation Blvd, Saskatoon, Sask S7N 2X8

Elementary Education

Creative Works (Literature, Cartoons ...)

192 (089338)
Parks Canada, Western Region * **The living waters : Elk Island National Park** = L'eau, source de vie : parc national Elk Island * Parks Canada, Western Region * 1979 * 1 game : col, 62x77 cm

This is a dice game for two to four players aged seven to twelve with information or an activity for each move. It is designed to help them discover some new things to see and do at Astotin Lake, Elk Island National Park, Alberta. Many interesting facts about the lake are presented such as: a brief description, with illustrations, of the food web; the effects of wind, sunlight, minerals, and the changing seasons on the plants and animals living in the lake; things to do while visiting the lake; as well as short notes on the the black-crowned night heron, red-necked grebes, cattails, leeches, water boatmen, fish and swimmer's itch. A maze is given as an activity to help the grebes avoid many hazards and find their way to the safety of Astotin Lake. A crossword puzzle is included to give ideas about how one Elk Island mammal lives through the changing seasons. Information or an activity for each move.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00026

Books, Booklets

193 (090336)
Environment Canada, Communications Branch, Western and Northern Region * **A practical family kit on saving resources, saving money, and ... saving the environment.** - Reprinted 1986 (see entry number 189 for complete reference)

Fact Sheets, Brochures, Leaflets

194 (091842)
Prairie Provinces Water Board * **Water use trends in the Saskatchewan-Nelson Basin** (see entry number 190 for complete reference)

Serials, Journals

195 (092426)
Saskatchewan Research Council ; Alberta Agriculture, Engineering Services ; Saskatchewan Water Corporation ; Agriculture Canada, Prairie Farm Rehabilitation Administration * **Prairie water news** (see entry number 191 for complete reference)

Atlases

196 (091849)
MITCHELL, P. (ed) ; PREPAS, E. (ed) * **Atlas of Alberta lakes** * University of Alberta Press , Edmonton, Alta * 1990 * xiv, 675p

This atlas provides detailed information on 100 lakes and major river basins in Alberta. A full-colour, full-page map shows the location of the study lakes and high-quality, beautifully presented illustrations accompany the descriptions of each lake. Part I describes the major characteristics of lakes in the atlas including drainage basin characteristics, lake basin characteristics, water quality, and biological characteristics. Part II covers the same topics but by individual lake. Most lake chapters present data on the algae, large plants, invertebrates and fish in the lake. The water quality descriptions of each lake include the trophic status of the lake, major ions and related characteristics such as salinity, pH, buffering capacity and hardness, temperature, oxygen content, nutrients, and transparency.
Library location: OOFF

Books, Booklets

197 (093318)
Alberta Environment * **Aboriginal water issues : background paper : volume 3** * In: Water management in Alberta : challenges for the future * Alberta Environment * 14 Aug 1991 * 3p

This volume outlines some of the areas where Alberta Environment has involved Indian communities in water management in the past. These include technical and inspection services, licensing, financial assistance for water management projects, and participation in planning programs and community involvement committees. The Department appreciates the concerns of native peoples and seeks to accommodate them in water management plans and operations.
Availability: Available for interlibrary loan from OOFF under WACE number 00437

198 (093325)
Alberta Environment * **The Alberta Water Resources Commission : background paper : volume 11** * In: Water management in Alberta : challenges for the future * Alberta Environment [illegible] Sept 1991 * 3p

The Alberta Water Resources Commission, established in 1983 to advise the provincial government regarding long-term water resource planning, general water management policy and related matters, is described. The Commission's membership, reporting line, activities and operations, and perspectives are presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00445

199 (093321)
Alberta Environment * **Alberta's water resource : background paper : volume 1** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 8p

This paper explains the hydrologic cycle and the distribution of water in Alberta as a basis to understanding the issues about this resource. Included in this discussion are the sources of surface water and groundwater, water use, managing and licensing water in Alberta, the use of a variety of water data collection networks, and the relationship between water quantity and water quality. Four maps on the inside back cover illustrate buried channels, the hydrometric network, the telemetry network, and the observation well and piezometer network.
Availability: Available for interlibrary loan from OOFF under WACE number 00435

200 (093316)
Alberta Environment * **Environmental impact assessment : background paper : volume 9** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 7p

Information is provided on environmental impact assessments in Alberta, what they are, their scope and application, and the issues that surround them. The proposed Alberta Environmental Protection and Enhancement Act would set up a formal environmental assessment process for reviewing development activities to determine their environmental effects. The Act's regulations would identify major resource projects that would be subject to mandatory review under the environmental assessment process. The challenge is to develop effective procedures at all levels of decision-making that link economic development to environmental protection.
Availability: Available for interlibrary loan from OOFF under WACE number 00443

201 (093322)
Alberta Environment * **Flood damage reduction : background paper : volume 10** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 7p

On April 3, 1989, the government of Alberta signed an agreement with the government of Canada to enter into the Flood Damage Reduction Program (FDRP). This paper discusses the main features of

the program including flood risk mapping and designation, two zone flood risk mapping, designation and government policy, disaster assistance, and the role of municipalities to enact bylaws. Alberta's flood damage reduction activities and policies are explained.
Availability: Available for interlibrary loan from OOFF under WACE number 00444

202 (093324)
Alberta Environment * **Groundwater : background paper : volume 7** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 6p

The legislation and current policies that govern groundwater in Alberta as well as issues for future consideration are examined in this paper. Alberta Environment encourages groundwater conservation and cooperates with other organizations and agencies to ensure public involvement and education in groundwater issues. The department believes that groundwater management has to be actively integrated in the management of the sustainable development of Alberta's natural resources.
Availability: Available for interlibrary loan from OOFF under WACE number 00441

203 (093319)
Alberta Environment * **Public involvement/intergovernmental co-operation : background paper : volume 4** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 11p

Volume Four examines two areas of participation in water management: public involvement and intergovernmental cooperation. Alberta Environment depends on the public to help assess how water management decisions may affect individuals and their environment. To this end, the Department is focusing on issues such as when and how the public should be involved, who should be involved, what decisions and issues should be subject to public review, and what information should be available to the public. Water management activities undertaken in Alberta can have a direct influence on downstream jurisdictions. The Alberta government is committed to developing partnerships with other levels of government to ensure that their water management goals complement those of other jurisdictions and that environmental issues are addressed.
Availability: Available for interlibrary loan from OOFF under WACE number 00438

204 (093315)
Alberta Environment * **Water conservation : background paper : volume 6** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 15p

Volume Six contains two sections dealing with water conservation in Alberta. The first section reviews the need for water conservation and the current practices in Alberta while the second part looks at the relationship between water pricing and conservation. Water conservation needs to be defined in an Alberta context when considering new water management policies and legislation. Water conservation must include practicing wise use, using less water, maintaining water quality, protecting water supplies, and preserving water resources. Water pricing is assessed in four different contexts: generating revenues to cover administrative costs; cost-of-service pricing; conservation pricing; and, the purchases of water rights. This paper explains in detail each of these four approaches to water pricing.
Availability: Available for interlibrary loan from OOFF under WACE number 00440

205 (093323)
Alberta Environment * **Water management projects : background paper : volume 8** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 26p

This paper provides an overview of water management projects in Alberta as well as information about their operation and maintenance. Irrigation and hydroelectric development are two specific areas of water management that are explained. The paper describes the four water management programs run by Alberta Environment: the Surface Water Development and Control Program; the Alberta Water Management and Erosion Control Program; the Farm Surface Water Management Program; and, the Irrigation Headworks and Main Irrigation Systems Improvement Program.
Availability: Available for interlibrary loan from OOFF under WACE number 00442

206 (093317)
Alberta Environment * **Water resources planning : background paper : volume 5** * In: Water management in Alberta : challenges for the future * Alberta Environment * 12 Aug 1991 * 20p

Planning is an important continuing process in Alberta to ensure sound water management. This volume examines four aspects of planning: water resources planning, instream flow needs, water quality/quantity relationships, and lake management. The most prominent issue discussed in this paper is

how to protect established instream flows on an equal basis with licensed uses. Water resources planning and management must consider both the quantity and quality of water available for use. Water quantity and quality are interrelated in both streams and lakes. Consideration needs to be given to the role of water quality and quantity issues in environmental impact assessments and other planning activities.
Availability: Available for interlibrary loan from OOFF under WACE number 00439

207 (093320)
Alberta Environment * **Water rights : background paper : volume 2** * In: Water management in Alberta : challenges for the future * Alberta Environment * 14 Aug 1991 * 24p

The Water Resources Act of Alberta is close to 100 years old. Before considering revisions to the legislation, this paper stresses the need to examine the history of water management legislation in Alberta, water rights and the enforcement of the current Act. Updated water management legislation could improve water resources management by providing clear definitions for terms such as water, domestic use, natural state, waste, and conservation. Other provisions could set up guidelines for water management and create a rotation system among users during shortages. This paper explains further items for considertion.
Availability: Available for interlibrary loan from OOFF under WACE number 00436

Descriptive Reports

208 (091833)
Environment Council of Alberta, Environmental Education Advisory Committee * **EE2000 : environmental education for a sustainable future** (see entry number 271 for complete reference)

Fact Sheets, Brochures, Leaflets

209 (084374)
Alberta Environment, Environmental Quality Monitoring Branch * **Baptiste Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * May 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00255

210 (084380)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Garner Lake** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * Mar 1985 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygem, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00256

211 (084375)
Alberta Environment, Environmental Quality Monitoring Branch * **Gull Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * July 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00257

212 (084372)
Alberta Environment, Environmental Quality Monitoring Branch * **Island Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * June 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, tempera-

ture, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00258

213 (084379)
Alberta Environment, Environmental Quality Monitoring Branch * **Jackfish Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * Apr 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00259

214 (084381)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Lac La Biche** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * Dec 1984 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00260

215 (084382)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Lac La Nonne** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * Feb 1985 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00261

216 (084385)
Alberta Environment, Environmental Quality Monitoring Branch * **Lac Ste. Anne** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * Mar 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00262

217 (084373)
Alberta Environment, Environmental Quality Monitoring Branch * **Lake Isle** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * June 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00263

218 (084370)
Alberta Environment, Environmental Quality Monitoring Branch * **Moose Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * July 1989 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, tempera-

ture, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00264

219 (084383)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Nakamun Lake** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * Jan 1985 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00265

220 (084384)
Alberta Environment, Environmental Quality Monitoring Branch * **Pigeon Lake** * Environmental Quality Monitoring Branch, Alberta Environment , Edmonton, Alta * Mar 1989 * 8p

This brochure, one of series on Alberta's lakes, presents findings of water quality studies conducted by the Environmental Assessment Division of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00266

221 (084378)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Pine Lake** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * nd * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00267

222 (084371)
Alberta Environment, Water Quality Control Branch * **Sandy Lake** * Alberta Environment, Water Quality Control Branch , Edmonton, Alta * 1984? * 8p

This brochure, one of series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrologic characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorous supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00268

223 (084377)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Skeleton Lake** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * Jan 1985 * 8p

This brochure, one of a series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physical and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00269

224 (084376)
Alberta Environment, Pollution Control Division, Water Quality Control Branch * **Wizard Lake** * Alberta Environment, Water Quality Control Branch, Pollution Control Division , Edmonton, Alta * nd * 8p

This brochure, one of series on Alberta's lakes, presents findings of water quality studies conducted by the Water Quality Control Branch of Alberta Environment. The results of these studies include physi-

cal and hydrological characteristics, temperature, dissolved oxygen, salinity and total dissolved solids, pH and alkalinity, theoretical phosphorus supply, and trophic characteristics. An explanation of lake characteristics is also included.
Library location: AEEN
Availability: Available for interlibrary loan from OOFF under WACE number 00270

Guides

225 (093226)
Alberta Environment * **Saving the world begins at home : a household guide to waste management** (see entry number 261 for complete reference)

226 (093229)
Alberta Environment, Water Resources Management Services, Planning Division, Water Conservation Section * **Using water wisely : a personal guide to water conservation** (see entry number 262 for complete reference)

Guides - Non-Classroom Use

227 (090745)
Alberta Environment * **Conserving water : a practical guide for homes, farms communities** * Alberta Environment * 8p

This guide lists several ways in which Albertans can reduce their water consumption in an effort to ease water shortages. Suggestions include using toilet inserts to reduce the volume of each flush, installing water saving showers and faucets, using cisterns to prolong a well's life in rural communities, using water meters, and quickly detecting and repairing leaks in municipal distribution systems.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00108

Serials, Journals

228 (090005)
Alberta Environment * **Environment views** (see entry number 272 for complete reference)

Journal Articles

229 (090003)
GOFF, K. * **Take it to the ponds : learning about water outside the classroom** * In: Environment views * Alberta Environment , Edmonton, Alta * June 1988 * 12-15

This article details the variety and location of many of Alberta's parks and nature centres which offer a wide array of pond study programs, guided walks, field trips, and environmental films and lectures. Tips for making simple pond kits and for successful pond watching are presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00010; Also available from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

230 (090014)
GRAVELINES, G. * **Water issues** * In: Environment views * Alberta Environment ,Edmonton, Alta * Summer 1986 * 4-9

Water issues discussed are followed by a quiz to test the reader's knowledge of these water issues in Alberta. They include water treatment, water management, water conservation, wastewater treatment, control of bacteria in water, irrigation and dams.
Availability: Available for interlibrary loan from OOFF under WACE number 00009; Also available from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

Elementary Secondary Education

Serials, Journals

231 (091722)
Friends of Environmental Education Society of Alberta * **Update : the environmental education newsletter** * Friends of Environmental Education Society of Alberta , Edmonton, Alta * Oct 1990- * 1(1)-

This quarterly newsletter on environmental education in Alberta provides educators with useful information on a wide range of environmental programs, resources, events, and activities in the province. Environmental education contacts in the area of water management and conservation are listed. Some activities for elementary and secondary students are provided including experiments and games.
Availability: Available at cost from FEESA, 9914-76 Avenue, Edmonton, Alta T6E 1K8 (403) 439-0243

Journal Articles

232 (090003)
GOFF, K. * **Take it to the ponds : learning about water outside the classroom** (see entry number 229 for complete reference)

Elementary Education

Teaching Guides

233 (092266)
Alberta Education * **Elementary science curriculum guide, 1983** * Alberta Education , Edmonton, Alta * 1983 * ii, 125p

Information on components of the elementary science curriculum in Alberta is provided in this manual. Topics of study within the three major concept areas of matter and energy, living things and the environment, and earth, space and time, are identified to enable the student to develop an understanding of the nature of the world through the study of concepts in life science, physical science and earth-space sciences. Water is present across the science curriculum as part of the living things and environment component and earth, space and time component. Here the use of water by living organisms, environment changes occurring in the quality of the water, changes in the surface of the land caused by running water, and stages of the water cycle, are explored.
Library location: ACUMC
Availability: Available for interlibrary loan from OOFF under WACE number 00327; Also available at cost from the Learning Resources Distributing Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427-2767, FAX (403) 422-9750

Intermediate Grades

Teaching Guides

234 (089340)
Society, Environment and Energy Development Studies Foundation * **The great water connection** * Alberta Environment , Edmonton, Alta * Feb 1988 * 1 kit (6 pieces) : 1 student book (30 copies); 1 teacher's guide; 1 poster: col, 80x59 cm; 3 posters: bw; activity masters

The material that comprises The Great Water Connection component of Alberta's Water Literacy Program is designed to provide grade four teachers with curriculum resource materials that can be used to educate students regarding the water cycle and water as a natural renewable resource. Although the content is especially useful in social studies, it can be integrated with science and language arts curriculum. Resource material consists of: 1) a student activity book that is designed to be reusable; 2) a teacher's guide that describes the components of the program and provides important ideas on teaching strategies; 3) a coloured poster entitled The Water Connection which illustrates the various forms in which water is found in Alberta; 4) pages to be used to construct 3 black and white versions of the poster -- a 28-page bulletin board version, a 4-page mini poster useful for group work, and a 2-page take-home version; and 5) activity sheets and poster words. These materials are available free to teachers through a workshop program organized by Alberta Environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00449; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 Street, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

235 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

236 (091726)
National Survival Institute * **Social studies, science : water conservation unit : grades 4-5-6** * National Survival Institute , Calgary, Alta * 1984-1985 * 183p

This publication containing over 60 hands-on student activities and a teacher's guide, is intended to increase student awareness of water usage, consumption, and conservation. It incorporates the major components of the Alberta Social Studies and Science Curricula and is designed as a separate unit to be used at grades 4-6. Detailed lesson plans including core and supplementary activities such as word games and puzzles, teacher information, student activity worksheets, bulletin board suggestions, and a list of resource films are provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00180

237 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

238 (089341)
Society, Environment and Energy Development Studies Foundation * **Water and landscapes** * Alberta Environment , Edmonton, Alta * Mar 1988 * 1 kit (2 pieces) : 1 student book (30 copies); 1 teacher's guide

The material that comprises the Water and Landscapes component of Alberta's Water Literacy Program is designed to provide grade five teachers with curriculum resource materials that can be used to educate students regarding the importance of water to Alberta's landscape. Although the content is especially useful in existing elementary science programs, it can be integrated with social studies and language arts curriculum. Resource material consists of: 1) a student activity book that is designed to be reusable; 2) a teacher's guide that describes the components of the program and provides important ideas on teaching strategies; and 3) a master set of activity sheets. These materials are available free to teachers through a workshop program organized by Alberta Environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00450; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 Street, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

239 (089343)
Society, Environment and Energy Development Studies Foundation * **Water we use** * Alberta Environment , Edmonton, Alta * Mar 1988 * 1 kit (5 pieces) : 1 student book (30 copies); 1 teacher's guide; 2 posters: b&w; activity masters

The material that comprises the Water We Use component of Alberta's Water Literacy Program is designed to provide grade six teachers with curriculum resource materials that can be used to educate students regarding the important ways in which Albertans use water. Although the content is especially useful in existing elementary science programs, it can be integrated with social studies and language arts curriculum. Resource material consists of: 1) a student activity book that is designed to be reusable; 2) a teacher's guide that describes the components of the program and provides important ideas for teaching strategies; 3) pages to be used to construct 2 black and white versions of a poster -- an 8-page version that can be put together by a team of students and a 32-page bulletin board version; and, 4) a master set of vocabulary words to be used in conjunction with the posters. These materials are available free to teachers through a workshop program organized by Alberta Environment.
Availability: Available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 Street, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

Audiovisual Material

240 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

241 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

Secondary Education

Teaching Guides

242 (090749)
Alberta Environment ; Access Network * **Water in Alberta : the living flow** * Alberta Environment , Edmonton, Alta ; Access Network , Calgary, Alta * 1986 * 1 kit (2 pieces) : 1 teacher's guide (22p): fig, photogr; 1 videocassette (57 min): sd, col, VHS

This kit consists of a video with two half-hour segments and a teacher's utilization guide. Prepared for use in Alberta junior and senior high schools, the programme is useful for teaching water-related topics like the hydrologic cycle, resource management, aquatic ecology, conservation, pollution, groundwater, water quantity and quality, and industrial and technological change. The utilization guide provides teachers with an overview of each part of the video with key concepts and terms, suggestions for use, classroom activities and suggested backgroud sources. The activities suggested in the guide are designed to ensure a curriculum fit with core and elective topics in science and social studies. Within the range of activities are options for field trips, research projects, role playing and debate.
Library location: OONL
Availability: Available from the Access Network, Media Resources Centre, 295 Midpark Way SE, Calgary, Alta T2X 2A8 (800) 352-8293

Audiovisual Material

243 (090749)
Alberta Environment ; Access Network * **Water in Alberta : the living flow** (see entry number 242 for complete reference)

Junior High Schools

Teaching Guides

244 (093328)
STOKER, D. * **Ecology studies of lakes in Alberta.** -Revised edition * Alberta Environment , Edmonton, Alta * 1990 * 1 kit (7 pieces) : 1 student book (48p); 1 teacher's guide (approx 150p); activity sheets; slides; overhead projectuals; reference materials

Developed for use in Alberta's junior high schools, this kit should be especially useful in general science classes. The student book describes the field of science called ecology and explains why lakes and other aquatic environments have been chosen as a focus. It also outlines the methods used to measure and record some of the important physical factors of a lake such as the temperature, depth, and seasonal changes; the important ecological concepts as seen in lake ecosystems; and, the role ecologists play in managing Alberta's lakes. The teacher's guide details the objectives and provides step-by-step instructions. It contains activity suggestions, teacher answer sheets, page by page descriptions along with reduced copies of the student book pages, and overhead projectual masters. Extra copies of student worksheets and of observation notes for the "pop bottle lake" activity outlined in the teacher's guide, are also provided
Availability: Available free to Alberta educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512; Also available at cost from the Learning Resources Distribution Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427-2767, FAX (403) 422-9750

245 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

246 (092267)
Alberta Education, Curriculum Branch * **Junior high agriculture : land and life : teacher resource manual, 1989** * Curriculum, Alberta Education , Edmonton, Alta * 1989 * vi, 153p

This teacher's manual presents the Alberta Junior High Agriculture: Land and Life Program, a three-year sequence of complementary courses designed to provide junior high students with a broad awareness of the economic, social and scientific realities of the agricultural enterprise. A variety of hands-on activities including experimentation and examination of current agricultural practices, is used. The three themes explored each year are production, processing and marketing; technology and research; and, resource management. Water as a critical resource to agriculture is examined as part of the resource management theme. Concepts such as water needs, variation in water supply, agricultural water use and management, water rights, water resources, and water issues are explored.
Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00326; Also available at cost from the Learning Resources Distributing Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427-2767, FAX (403) 422-9750

247 (092265)
Alberta Education, Curriculum Branch * **Junior high environmental and outdoor education : teacher resource manual** * Alberta Education, Curriculum Branch , Edmonton, Alta * 1991 * vii, 157p

This manual presents the Junior High Environmental and Outdoor Education Course of Alberta Education which can be offered as a single course at the grade 7, 8 or 9 levels, or as a sequential program of up to three years. The course consists of six elements: outdoor core, personal and group development, environmental core, outdoor expeditions, environmental investigations, and commitment to action. These six elements are developed over three levels of experience -- a foundation level, an exploration level, and an empowerment level. In the first year, the major emphasis is on course elements at the foundation level. In subsequent years, the emphasis is increasingly at the exploration and empowerment levels. Unit and lesson planning and lists of available resources are provided. Clean water and its value, river awareness, aquatic invertebrate monitoring, monitoring and reducing water consumption, and the water cycle are water aspects covered in the lesson plans.
Availability: Available for interlibrary loan from OOFF under WACE number 00325; Also available at cost from the Learning Resources Distributing Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427-2767, FAX (403) 422-9750

248 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

249 (093326)
Society, Environment and Energy Development Studies Foundation * **Water and agriculture** * Alberta Environment , Edmonton, Alta * Mar 1988 * 1 kit (7 pieces) : 1 student book (31p); 1 teacher's guide (x, 62p); activity sheets; overhead projectuals; posters

This kit was developed for use in Alberta's junior high school classrooms. It is intended to provide curriculum support materials which fit the needs of Alberta students and teachers. The program should be especially useful in a general science program or in agriculture-related courses. The focus is on studying water and agriculture with the following features: a review of the water cycle; food chains and plants; the nature of water in Alberta including the sources and uses in agriculture; the roles of scientists and farmers in water use; the importance of managing water to increase food production and to protect the land; and, the problems and issues involved in managing water and land for food production. The kit includes a student book, a teacher's guide, activity sheets, student posters, a large classroom poster, coloured posters on conservation farming and on-farm water management, and overhead projectuals.
Availability: Available free to Alberta educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512; Also available at cost from the Learning Resources Distribution Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427-2767, FAX (403) 422-9750

250 (093327)
STOKER, D. * **Water quality questions : the nature and importance of water quality variables in Alberta.** - Revised edition * Alberta Environment , Edmonton, Alta * 1990 * 1 kit (7 pieces) : 1 student handbook (50p); 1 teacher's guide (vii, 167p); activity sheets; overhead projectuals; reference books

This kit was developed for use in Alberta's secondary schools. The subject covered is water quality in Alberta. The five sections of the student book examine water quality characteristics, the concerns associated with water impurities, the natural actions and processes that cause changes in water quality, the variety of ways Albertans affect water quality, and the ways in which different organisms in river environments are affected differently by changes in the water quality. The teacher's guide contains all the necessary directions for organizing and implementing the unit, completed copies of the activity sheets found in the student book, as well as notes related to the content of the student booklets. The overhead projectuals package contains copies of each of the student activity sheets which are also found in the teacher's guide.
Availability: Available free to Alberta educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512; Also available at cost from the Learning Resources Distribution Centre, 12360-142 St, Edmonton, Alta T5L 4X9 (403) 427- 2767, FAX (403) 422-9750

251 (091719)
National Survival Institute * **Water wiz-dom : social studies water conservation unit, grade 9** * National Survival Institute , Calgary, Alta * 1984-1985 * xvi, 125p

This manual contains student activities and a teacher's guide on water conservation and management for Grade 9 Alberta students. It incorporates the major components of the Alberta Social Studies Curriculum and is designed as a separate unit lasting approximately 15-20 class periods. A lesson plan, background information, and student handouts are included for the 18 activities covering topics such as water scarcity, the water cycle, water use, water pollution, acid rain, water meters, water consumption, and Alberta drainage basins. Puzzles, word searches, simple experiments and collages are provided.

Library location: ACUMC

Availability: Available for interlibrary loan from OOFF under WACE number 00181

Journal Articles

252 (090002)
HELGASON, G. * **A world of learning in a pop bottle** * In: Environment views * Alberta Environment , Edmonton, Alta * June 1988 * 8-11

The pop bottle experiment which is included in the junior high water ecology unit of a new environmental education program for Alberta schools, called the Water Literacy project, is described. The curriculum is being developed for Alberta Environment by the Society, Environment & Energy Development Studies Foundation (SEEDS). The experiment uses a two-litre pop bottle filled with water from a slough, a warm, shallow lake or a slow-moving river where lots of aquatic plants are present. Students are able to observe what happens in the bottle for a period of three months. This experiment is a simple, inexpensive way to study succession, trophic levels, ecosystems, the importance of plant life to animal life, food chains, food webs, and the intolerance or tolerance of organisms to living in poor conditions.

Availability: Available for interlibrary loan from OOFF under WACE number 00010; Also available from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

Audiovisual Material

253 (089602)
Environment Canada, Conservation and Protection ; Access Network * **The harmony puzzle : environment & economy** (see entry number 80 for complete reference)

254 (089601)
Environment Canada, Conservation and Protection ; Access Network * **Solving the harmony puzzle : you're part** (see entry number 81 for complete reference)

77

Elementary Secondary Education

Atlases

255 (091849)
MITCHELL, P. (ed) ; PREPAS, E. (ed) * **Atlas of Alberta lakes** (see entry number 196 for complete reference)

Primary Education

Instructional Material

256 (093238)
Alberta Environment, Education Branch * **Enviro-Kids celebrate the environment** * Alberta Environment, Education Branch , Edmonton, Alta * nd * 20p

Designed to introduce children to their environment, this activity book is aimed at primary school students in Alberta. Through easily-reproducible puzzles, join the dots, picture sequencing, simple experiments, word games, word searches, and colouring sheets, the children will learn about different parts of their environment - land, air and water - and also learn about ways to care for the environment such as composting, conserving, and recycling.
Availability: Available for interlibrary loan from OOFF under WACE number 00451; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

Intermediate Grades

Instructional Material

257 (091052)
Alberta Environment * **Focus on acidic deposition** * Alberta Environment, Edmonton, Alta * 1985? * 4p

This leaflet, geared to the Alberta grade six to eight student, describes acidic deposition. The nature, causes, and effects of acidic deposition are discussed, as is the extent of the problem in Alberta and what is being done about it. A black and white poster cover depicts the topic. The material is meant as teaching masters which can be reproduced in group quantities
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00119; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

258 (091050)
Alberta Environment * **Focus on pollution** * Alberta Environment , Edmonton, Alta * 1985? * 5p

This leaflet, geared to the Alberta grade six to eight student, discusses the topic of pollution. It gives a basic understanding of pollution and its causes, and describes air pollution, water pollution, noise pollution, and solid waste disposal. A black and white poster cover depicts the topic. The material is meant as teaching masters which can be reproduced in group quantities.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00120; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

259 (091053)
Alberta Environment * **Focus on water conservation** * Alberta Environment , Edmonton, Alta * 1990? * 5p

This leaflet, geared to the Alberta grade six to eight student, describes water conservation. It examines where water comes from, who uses it and why, and explores the need to conserve water. A list of ways to conserve water in the city home or in the country on a farm are presented. A black and white poster cover depicts the topic. The material is meant as teaching masters which can be reproduced in group quantities.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00121; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

260 (091051)
Alberta Environment * **Focus on water quality** * Alberta Environment , Edmonton, Alta * 1985? * 4p

This leaflet, geared to the Alberta grade six to eight student, discusses water quality. The causes and effects of water pollution, wastewater treatment and water quality control are described. Suggestions are presented on ways to conserve water, reduce solid wastes, and prevent water pollution by being careful

about hazardous waste disposal. A black and white poster cover depicts the topic. The material is meant as teaching masters which can be reproduced in group quantities.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00122; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

Secondary Education

Guides

261 (093226)
Alberta Environment * **Saving the world begins at home : a household guide to waste management** * Alberta Environment , Edmonton, Alta * Apr 1990 * 35p

This booklet can be used by science, social studies, home economics and ESL teachers to educate students twelve years of age and older about conserving resources. The booklet provides tips on waste management with special emphasis on household hazardous waste disposal. For example, river water quality can be affected by using a sink garbage disposal which is responsible for unnecessary organic pollution that is detrimental to fish. It shows the importance of discarding household hazardous wastes properly.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00417; Also available free to Alberta educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

262 (093229)
Alberta Environment, Water Resources Management Services, Planning Division, Water Conservation Section * **Using water wisely : a personal guide to water conservation** * Alberta Environment, Water Resources Management Services, Planning Division, Water Conservation Section , Edmonton, Alta * Sept 1991 * 23p

This booklet can be used by science, social studies, home economics and ESL teachers to educate students twelve years of age and older about conserving water. The booklet presents simple, effective methods for making your household more water efficient by changing wasteful habits in all areas of the home and using water-saving devices. Descriptive information is provided on Alberta's surface water, groundwater, water supply and water use.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00416; Also available free to Alberta Educators from the Education Branch, Alberta Environment, 12th fl, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

Posters, Charts

263 (093230)
Alberta Environment * **The living flow : water in Alberta** * Alberta Environment , Edmonton, Alta * 1991? * 1 poster : col, 76x102 cm

This double-sided poster provides the secondary school student with a variety of facts on water in Alberta. One side of the poster is a beautiful illustration of the water cycle and the various ways water is present and used in the environment. It is designed to give a north-south perspective of Alberta as you move from the top to the bottom of the poster. The other side of the poster presents information and illustrations on various aspects of Alberta's water including its groundwater and surface water features, wetlands, water pollution, water conservation, watersheds, river flow monitoring, and the water cycle. Interesting general water facts as well as water activities and water conservation tips are also included.
Availability: Available for interlibrary loan from OOFF under WACE number 00418; Also available free to Alberta Educators from the Education Branch, Alberta Environment, 12th floor, Oxbridge Place, 9820-106 St, Edmonton, Alta T5K 2J6 (403) 427-6310, FAX (403) 427-2512

Junior High Schools

Instructional Material

264 (091052)
Alberta Environment * **Focus on acidic deposition** (see entry number 257 for complete reference)

265 (091050)
Alberta Environment * **Focus on pollution** (see entry number 258 for complete reference)

266 (091053)
Alberta Environment * **Focus on water conservation** (see entry number 259 for complete reference)

267 (091051)
Alberta Environment * **Focus on water quality** (see entry number 260 for complete reference)

Postsecondary Education

Atlases

268 (091849)
MITCHELL, P. (ed) ; PREPAS, E. (ed) * **Atlas of Alberta lakes** (see entry number 196 for complete reference)

Serials, Journals

269 (091722)
Friends of Environmental Education Society of Alberta * **Update : the environmental education newsletter** (see entry number 231 for complete reference)

81

Books, Booklets

270 (090747)
Public Advisory Committees to the Environment Council of Alberta, Renewable Resources Sub-Committee * **A place for wildlife : a discussion paper prepared for the Alberta Conservation Strategy Project** * Environment Council of Alberta , Edmonton, Alta * 1989 * 39p

This discussion paper examines the management of Alberta's wildlife and offers some suggestions for its improvement. Alberta's conservation strategy is aimed at preserving biological diversity and practicing sustainable development of the province's natural resources. This paper shows how development of Alberta's natural resources such as mines, forests, energy sources, and rivers for hydroelectric power, has created growing pressure on wildlife populations and habitat. All Albertans must share in protecting the province's wildlife population from severe decline.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00107; Also available from the Environmental Council of Alberta, 8th floor Weber Centre, 5555 Calgary Trail Southbound NW, Edmonton, Alta T6H 5P9 (403) 427-5792

Descriptive Reports

271 (091833)
Environment Council of Alberta, Environmental Education Advisory Committee * **EE2000 : environmental education for a sustainable future** * Environment Council of Alberta , Edmonton, Alta * Aug 1989 * 27p

This paper briefly examines the role of environmental education in helping society reach the goal of sustainable resource use. The term "education" is used in its broadest possible sense to include both the formal and informal systems of assisting individuals to acquire knowledge skills throughout their lives. The paper identifies a number of important environmental education issues in Alberta and suggests some tools for dealing with these issues. It concludes by offering recommendations aimed at educators, legislators, administrators, and ordinary citizens in all walks of life. There are three appendices to the paper, which provide information on the World and Alberta Conservation Strategies, historical background of environmental education, and environmental education contacts in Alberta.(au)

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00308; Also available from the Environment Council of Alberta, 8th fl, Weber Centre, 5555 Calgary Trail Southbound NW, Edmonton, Alta T6H 5P9 (403) 427-5792

Serials, Journals

272 (090005)
Alberta Environment * **Environment views** * Alberta Environment , Edmonton, Alta * May 1978- * vl-

This is a free quarterly publication which deals with specific topics in each issue from various viewpoints with the aim of increasing awareness of environmental issues among Albertans. This issue is primarily concerned with the water literacy program sponsored by Alberta Environment which is currently in place in Alberta schools to promote water awareness among elementary and high school students. The articles which are reproducible are useful in social studies and biology classrooms in both elementary and secondary schools in Alberta.

Availability: Available free from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

Journal Articles

273 (090001)
BAILEY, E.A. * **The water literacy project** * In: Environment views * Alberta Environment , Edmonton, Alta * June 1988 * 5-7

This article describes the water literacy program sponsored by Alberta Environment and coordinated by Society, Environment and Energy Development Studies Foundation (SEEDS). The program aims to promote water awareness in elementary and secondary school students in Alberta. The pre-packaged Water Literacy Unit containing teacher's guide, student books, activity sheets and posters, covers such topics as acid rain, water ecology, water quality, water and agriculture, water supply, water use, water in Alberta, and the interaction of land and water. The program is already being tried in schools with positive feedback.

Availability: Available for interlibrary loan from OOFF under WACE number 00010; Also available from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

274 (090004)

ADAMS, S. * **Why learn about water?** * In: Environment views * Alberta Environment , Edmonton, Alta * June 1988 * 15-17

This article explains the need to educate people about the value of good multiple-use water management techniques. Understanding the effects of flow regulation on the ecosystem, the draining of wetlands on wildlife habitats, and the effects of municipal sewage and effluent on the water quality of rivers helps promote public responsibility for better environmental protection.

Availability: Available for interlibrary loan from OOFF under WACE number 00010; Also available from Environment Views, Alberta Environment, 9820-106 Street, Edmonton, Alta T5K 9Z9

Fact Sheets, Brochures, Leaflets

275 (091731)
Sask Water * **Conservation pays** * Sask Water, Moose Jaw, Sask * nd * 5p

This brochure provides some facts, ideas and tips about ways individuals can help conserve water. Topics covered include indoor and outdoor water use, measuring water use, detecting leaks and installing the water saver washers that are provided.

Availability: Available for interlibrary loan from OOFF under WACE number 00175; Also available from Sask Water, 111 Fairford Street East, Moose Jaw, Sask S6H 7X9

276 (091803)
City of Regina, Municipal Engineering Department * **Every drop counts : if we each save a little, we'll all save a lot!** * City of Regina, Municipal Engineering Department , Regina, Sask * nd * 5p

Citizens of Regina are informed of their average water use and are told what water conservation is and why it is important. Water conservation tips inside and outside the home are also provided.

Availability: Available for interlibrary loan from OOFF under WACE number 00280; Also available from the City of Regina, Municipal Engineering Dept, PO Box 1790, Regina, Sask S4P 3C8 (306) 777-7437

277 (091838)
Saskatchewan Environment and Public Safety, Water Quality Branch * **Municipal drinking water quality objectives** * Saskatchewan Environment and Public Safety , Regina, Sask * Mar 1991 * 13p

This document is intended for use by communities, operators, rural municipalities, consultants and other individuals involved with drinking water quality in Saskatchewan. The objectives apply to waterworks regulated under The Water Pollution Control and Waterworks Regulations of June 1987. The document recognizes and reflects the development of new knowledge and more sophisticated analytical techniques which permit the detection of contaminants previously unknown in drinking water.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00315; Also available free from the Water Quality Branch, Saskatchewan Environment and Public Safety, 3085 Albert St, Regina, Sask S4S OB1 (306) 787-6517

Collected Works

278 (091718)
Water * In: Leader-post * Leader-Post , Regina, Sask * 03 Sept 1988 * 31p

An up-to-date account of the water situation in southern Saskatchewan in 1988 is presented in this special supplement to the Regina Leader-Post. It is a compilation of vivid photographs and reports on the drought of 1988, the dam dilemma, the greenhouse effect, increasing water consumption, water quality deterioration and water transfer. The nature of the resource, how to conserve it, how it is distributed, and its future prospects in the province, are discussed.

Availability: Available for interlibrary loan from OOFF under WACE number 00185

Serials, Journals

279 (091717)
FITZSIMMONS, M. ; CARDIFF, S. ; ANIONS, D. * **Guide to the aquatic resources of Prince Albert National Park** * In: Wolf country * Canadian Parks Service, Environment Canada , Waskesiu, Sask * Spring 1990 * 12p

This special edition of Wolf Country describes the aquatic resources of Prince Albert National Park, Saskatchewan, as part of an Aquatic Resource Management Plan to provide increased protection to freshwater systems within the Park. It includes a primer on the ecology of the Park's aquatic systems and an update on the National Parks Fishing Regulations effective 1990. Tips for successfully releasing small fish are presented as well as a chart of mercury levels in fish from the Park.

Availability: Available for interlibrary loan from OOFF under WACE number 00173

Creative Works (Literature, Cartoons ...)

280 (091814)
City of Regina * **Water works : saving water saves you money!** * Water Engineering, City of Regina , Regina, Sask * nd * 14p

This pamphlet provides tips to help Regina residents save water and money. Illustrated using cartoons which first appeared as a weekly series in the Regina Leader-Post, the guide contains tips and suggestions for indoors and outdoors.

Availability: Available for interlibrary loan from OOFF under WACE number 00272; Also available

free from Municipal Works, City of Regina, PO Box
1790, Regina, Sask S4P 3C8

Intermediate Grades

Teaching Guides

281 (091721)
STRANKAY, K.; HADA, H.; KUSALIK, T.; HARNETT, L.; BRANDT, T. * **Northern Saskatchewan International Children's Festival : environment tent, grades 4-8** * 1989? * vp

This manual contains simple activities for grades 4-8 on care and protection of the environment. These include experiments, field trips, on-site observations, discussions, games, puzzles, riddles and tongue twisters. Topics covered include water use, fish habitats, water purity, water pollution effects, eutrophication, aquatic habitats and water conservation.

Availability: Available for interlibrary loan from OOFF under WACE number 00174

Secondary Education

Guides - Classroom Use

282 (092431)
Saskatchewan Department of the Environment, Public Information and Education Branch * **Wetlands management case study** * Public Information and Education Branch, Saskatchewan Department of the Environment * 1978 * 1 kit (6 pieces) : 1 teacher's guide; 1 student handbook; 1 data book; 2 maps; 1 filmstrip

This case study of the Norton Creek Basin, Saskatchewan, is presented as a kit containing a student's case book, data bank, teacher's guide, a large wall map and a small one for copying, and a filmstrip. Geared to secondary students, this exercise simulates the problems a provincial government faces in making environmental decisions. The student is invited to role-play as a member of the Wetlands Review Board set up to examine water allocation in the Basin and to make recommendations about water use. He can also be a member of a special interest group of farmers or environmentalists. The student must be familiar with the background material found in the data bank booklet to formulate a sound argument. The teacher's guide presents a student evaluation guide.

Library location: SSECW

Availability: Available for interlibrary loan from OOFF under WACE number 00155; Also available from Western Extension College Educational Publishers, A Division of Academic Enterprises Ltd, Box 110, Saskatoon, Sask

Audiovisual Material

283 (092431)
Saskatchewan Department of the Environment, Public Information and Education Branch * **Wetlands management case study** (see entry number 282 for complete reference)

Intermediate Grades

Games

284 (091817)
MEYERHOFFER, J.C. * **Water works** * City of Regina , Regina, Sask * nd * 1 game

This game, suitable for intermediate and junior high school students, is designed to test the student's knowledge of water. The idea of the game is to be the first person to collect 20 litres of clean water. By using a dice, the players can land on clean or dirty spaces on the game board. Answering a question correctly allows the player to earn a clean litre. Fate cards tell the player to take or lose one or more litres of water. A purification centre allows the player to change all his dirty litres for clean ones. Five game pieces, one dice, one game board, and two sets of questions, make up the game.
Availability: Available for interlibrary loan from OOFF under WACE number 00279

Junior High Schools

Games

285 (091817)
MEYERHOFFER, J.C. * **Water works** (see entry number 284 for complete reference)

Fact Sheets, Brochures, Leaflets

286 (091838)
Saskatchewan Environment and Public Safety, Water Quality Branch * **Municipal drinking water quality objectives** (see entry number 277 for complete reference)

Books, Booklets

287 (091839)
Saskatchewan Environment and Public Safety, Water Quality Branch * **A guide to sewage works design**. - Revised edition * Saskatchewan Environment and Public Safety, Water Quality Branch , Regina, Sask * Jan 1989 * 52p

This design guide applies to all sewage works controlled by the Water Pollution Control and Waterworks legislation except for industrial wastewater works and is intended to be used as a companion to the applicable Acts. For private and municipal designers and sewage works owners, the guidelines identify items and factors that should be considered for waterworks and provide accepted practices suitable for Saskatchewan conditions. Information is provided on sanitary sewers, sewage pumping stations, sewage treatment, and storm drainages.
Availability: Available for interlibrary loan from OOFF under WACE number 00317; Also available free from the Water Quality Branch, Saskatchewan Environment and Public Safety, 3085 Albert St, Regina, Sask S4S OB1 (306) 787-6517

288 (091841)
Saskatchewan Environment and Public Safety, Water Quality Branch * **A guide to waterworks design** * Saskatchewan Environment and Public Safety, Water Quality Branch , Regina, Sask * Mar 1986 * 51p

This design guide applies to all waterworks controlled by Saskatchewan's Water Pollution Control and Waterworks Regulations and is intended to be used as a companion to the applicable acts and regulations. For private and municipal designers and waterworks owners, the guidelines identify items and factors that should be considered for waterworks and provide accepted practices suitable for Saskatchewan conditions. Included in the booklet are guidelines on water supply, water treatment, treated water storage, and water distribution and covers both surface and groundwater. Information on requirements for approval to construct, extend or alter any potable waterworks is given.
Availability: Available for interlibrary loan from OOFF under WACE number 00316; Also available free from the Water Quality Branch, Saskatchewan Environment and Public Safety, 3085 Albert St, Regina, Sask S4S OB1 (306) 787-6517

Fact Sheets, Brochures, Leaflets

289 (091838)
Saskatchewan Environment and Public Safety, Water Quality Branch * **Municipal drinking water quality objectives** (see entry number 277 for complete reference)

290 (091840)
Saskatchewan Environment and Public Safety, Water Quality Branch * **Surface water quality objectives** * Saskatchewan Environment and Public Safety, Water Quality Branch , Regina, Sask * Nov 1988 * 33p

This booklet, primarily oriented towards surface water quality, addresses general objectives for effluent discharges, guidelines for effluent mixing zones, general surface water quality objectives, and general surface water quality objectives respecting aquatic life, wildlife, recreational activities, agricultural uses, and potable water supply. The water quality objectives presented are intended to protect Saskatchewan's water quality, to determine the acceptable size and shape of the mixing zone, to provide advice to water users requiring information on the suitability of water sources, and to evaluate the performance of treatment works.
Availability: Available for interlibrary loan from OOFF under WACE number 00318; Also available free from the Water Quality Branch, Saskatchewan Environment and Public Safety, 3085 Albert St, Regina, Sask S4S OB1 (306) 787-6517

Fact Sheets, Brochures, Leaflets

291 (091761)
Michigan State University, Michigan Sea Grant College Program * **Great Lakes Basin** (see entry number 328 for complete reference)

292 (091837)
Government of Manitoba * **Mercury in fish : consumption guidelines** * Government of Manitoba, Winnipeg, Man * 1988 * 4p

The purpose of this document is to create awareness of mercury in certain Manitoba waterways and to enable individuals to make informed decisions when eating fish from these waters. Where mercury comes from and how to limit exposure to this metal are discussed. A table taken from the "Sport fish consumption guide" lists the major rivers in southern Manitoba and indicates which fish caught in these waters can be eaten.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00321; Also available free from the Water Quality Management Section, Environmental Management Division, Manitoba Environment, Bldg 2, 139 Tuxedo Ave, Winnipeg, Man R3N OH6

293 (091829)
Manitoba Interdepartmental Working Group, Mercury in Fish * **Mercury in fish in the Assiniboine, Red, Souris and Winnipeg rivers** * Manitoba Interdepartmental Working Group, Mercury in Fish, Winnipeg, Man * nd * 5p

The purpose of this pamphlet is to create awareness of the presence of mercury in these four southern Manitoba waterways and to enable individuals to make informed decisions when eating the fish from these waterways. What mercury is, what happens to it in water, and what level of this metal is acceptable in fish are discussed.
Availability: Available for interlibrary loan from OOFF under WACE number 00320; Also available free from the Water Quality Management Section, Environmental Management Division, Manitoba Environment, Bldg 2, 139 Tuxedo Ave, Winnipeg, Man R3N OH6

294 (092262)
Manitoba Environment * **The Red & Assiniboine and their tributaries...your opportunity to get involved** * Manitoba Environment , Winnipeg, Man * nd * 6p

This leaflet is intended to alert Manitobans to the public Water Quality Objectives hearings for the Red and Assiniboine rivers and their tributaries. The hearings are expected to establish long-term water quality objectives for the rivers within and downstream of Winnipeg. This leaflet urges Manitobans to get involved and discuss ideas and concerns about water use and water quality. Sources of further information are also provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00330; Also available free from Water Quality Management Section, Environmental Management Division, Manitoba Environment, Bldg 2, 139 Tuxedo Ave, Winnipeg, Man R3N OH6

295 (091834)
Manitoba Environment * **Zebra mussels : a need to protect water systems, boats & motors, beaches and fisheries** * Manitoba Environment , Winnipeg, Man * May 1991 * 4p

This pamphlet advises citizens of Manitoba on how they can help the government delay the migration of zebra mussels to lakes and streams in the province. In addition to describing the zebra mussel, the problems it can cause and how it can be accidentally introduced into a water system, the document states why Manitoba is vulnerable and provides a list of things that individuals can do to control the spread of these animals.
Availability: Available for interlibrary loan from OOFF under WACE number 00319; Also available free from the Water Quality Management Section, Environmental Management Division, Manitoba Environment, Bldg 2, 139 Tuxedo Ave, Winnipeg, Man R3N OH6 (204) 945-7030 FAX (204) 945-5229

Elementary Education

Teaching Guides

296 (090744)
Energy, Mines and Resources Canada * **Teacher mini-units : energy awareness for grades 1-8** * Energy, Mines and Resources Canada , Ottawa, Ont * 1982 * 176p

This teacher's manual contains nine energy awareness units suitable for grades 1-8. The units cover renewable and non-renewable sources of energy, solar energy, wind and water energy, recycling, consumerism, energy conservation at home and at school, and energy conservation in transportation. Within each unit, the teacher is presented with a number of lessons each of which clearly sets out the objectives, time needed, materials, procedures, suggested follow-up activities, and an evaluation designed for the students. Many of the lessons provide crossword puzzles, worksheets, model building, experiments, and questionnaires. The wind and water energy unit examines water wheels and water requirements for electrical appliances.
Availability: Available for interlibrary loan from OOFF under WACE number 00106

Books, Booklets

297 (091755)
Environment Ontario * **Acid sensitivity of lakes in Ontario** = Sensibilité des lacs de l'Ontario aux dépts acides * Environment Ontario, Toronto, Ont * 1990 * 30p

This booklet outlines the survey of acidity levels in Ontario lakes, and presents an alphabetical list by county or district of the lakes sampled and indicates each lake's relative sensitivity.

Library location: OON

Availability: Available for interlibrary loan from OOFF under WACE number 00203; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

298 (091781)
Environment Canada * **Clean waters : toward a healthy Great Lakes - St. Lawrence ecosystem** * Environment Canada, Communications Directorate, Ontario Region, Toronto, Ont * 1990 * 23p

This brochure is produced to help you understand some of the problems facing the Great Lakes-St Lawrence ecosystem, especially pollution by toxic substances. It also explains what is being done, particularly by the Canadian Government, to clean up and restore this ecosystem to a healthy state. The focus is mainly on the Great Lakes. But the lakes and rivers are linked and need to be seen as an ecosystem in which air, water, wildlife, people and pollution move readily. This publication refers largely to work of the Canadian Government but also to that of other governments in Canada and the United States. Readers are urged to contact Canadian and other government agencies, business and non-government groups for more detailed information. A list of contacts is found at the end of this brochure.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00187; Also available free from Environment Canada, Communications Directorate, Ontario Region, 25 St Clair Ave E, 6th floor, Toronto, Ont M4T 1M2 (416) 973-6467

299 (091811)
Metropolitan Toronto and Region Conservation Authority * **Conservation : questions and answers** * Metropolitan Toronto and Region Conservation Authority, Downsview, Ont * June 1990 * 16p

This pamphlet provides the public with information on the activities and programs of the Metropolitan Toronto and Region Conservation Authority including its Greenspace Strategy for the Greater Toronto Region and its water conservation efforts, and the history of conservation authorities in Ontario. Commonly-asked questions and answers on the work of the Authority are included.

Availability: Available for interlibrary loan from OOFF under WACE number 00300; Also available free from Community Relations, Metropolitan Toronto and Region Conservation Authority, 5 Shoreham Dr, Downsview, Ont M3N 1S4 (416) 661-6600

300 (091763)
Environment Ontario * **Cottage country : an environmental manual for cottagers**. - Sixth edition * Environment Ontario, Toronto, Ont * 1989 * 49p

This booklet provides cottagers with a reference source to help them understand and protect their environment. It deals with water quality, control of aquatic plants and algae, acidification of lakes, purifying water for drinking, sewage disposal systems, fish contamination, control of insects and other pests, waste management, boating, and managing development.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00202; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

301 (093251)
WELLER, P. * **Fresh water seas : saving the Great Lakes** * Between the Lines, Toronto, Ont * 1990 * 206p

This publication graphically describes the decline of the Great Lakes environment in the past two hundred years. It demonstrates how the patterns of economic and social development, along with the failure to recognize ourselves as part of the Great Lakes ecosystem, have caused rapid and destructive changes and undermined the health of the Great Lakes region. However, there are encouraging signs that individuals and groups are making determined efforts to stop the abuses, to preserve the remaining attributes of this environment, and to restore the lakes to a condition of health. But more needs to be done to implement strategies necessary to restore and rebuild the degraded parts of the Great Lakes environment.

Library location: OOFF

Availability: Available at cost from Between the Lines, 394 Euclid Ave, Toronto, Ont M6G 2S9 (416) 925-8260

302 (091793)
Ontario Ministry of the Environment * **The Great Lakes : yesterday, today & tomorrow** * Ontario Ministry of the Environment , Toronto, Ont * 1982? * 19p

This pamphlet, geared to a general audience, describes how industrialization led to the deterioration of the water quality of the Great Lakes and outlines the efforts being made by the governments of Canada, the United States, and Ontario in cleaning up and controlling the pollution. Particular attention is paid to the success of the the Great Lakes Surveillance Program of the Ontario Ministry of the Environment.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00163

303 (091825)
COOPER, K. ; MILLYARD, K. * **The Great Lakes primer** * Pollution Probe Foundation , Toronto, Ont * 1986 * 58p

This book, suitable for a general audience including secondary school students, details the water quality problems of the Great Lakes. It examines the natural and social history of the Lakes, sources of the pollutants including industrial and municipal wastewater discharges as well as agricultural runoff, the devastating effects of these pollutants on wildlife and humans, and attempts at water pollution control. Lake Erie is used to illustrate the severity of the problem and how rehabilitation can be effective. It points out the need for more public awareness and involvement in preventing further water quality degradation and offers suggestions on how this can be done. Addresses to write to and a list of sources to tap for further information are also provided.

Availability: Available for interlibrary loan from OOFF under WACE number 00240; Also available at cost from Pollution Probe, 12 Madison Ave, Toronto, Ont M5R 2S1 (416) 926-1907

304 (091097)
YEE, P. ; LLOYD, J. * **Great Lakes water levels** * Environment Canada * 1983? * 20p

This pamphlet explains the causes and effects of Great Lakes water level fluctuations. Descriptions of the lakes' physical features, hydrology, natural and man-made factors affecting the water levels, and the environmental effects of these fluctuations, serve to inform the public and increase awareness of the importance of protecting and preserving this resource. A question and answer format looks at lake regulation and its effect on water levels.

Availability: Available for interlibrary loan from OOFF under WACE number 00113

305 (091762)
Environment Ontario * **Marine pump-out stations** = Les stations de vidange . - Revised edition * Environment Ontario , Toronto, Ont * 1989 * 28p

Targeted at boaters, this booklet explains regulations prohibiting the discharge of treated and untreated sewage from pleasure craft and explains the requirements for marinas and yacht clubs to provide marine pump-out facilities. It also includes a handy inventory of marinas in Ontario providing pump-out facilities.

Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00205; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

306 (091023)
Dominion Foundries and Steel, Limited (DOFASCO) * **Pollution : some questions and answers** * Dominion Foundries and Steel, Limited (DOFASCO) , Hamilton, Ont * Feb 1971 * 16p

This public information pamphlet provides answers to questions about Dofasco's pollution abatement activities as well as general air pollution questions. Answers are provided on major sources of pollution, the extent of pollution caused by Dofasco, the air pollution index readings in Hamilton, how Dofasco is cooperating with government bodies to limit pollution, and current and future pollution abatement devices at Dofasco.

Library location: OOFF
Availability: Available for interlibrary from OOFF under WACE number 00088

307 (087682)
SCOTT, S. ; VEZINA, R. ; WEBB, M. * **The St. Lawrence River : its economy and environment** * Center for the Great Lakes Foundation , Toronto, Ont ; Center for the Great Lakes , Chicago, IL, US * 1989 * 36p

This report examines the links between the Great Lakes and the St Lawrence River and identifies the means of strengthening the links through better coordinated management policies. The importance of protecting water quantity, investing in clean water, in attracting new business, developing waterfronts, encouraging port activity and attracting tourists is stressed with specific examples of trends and issues throughout the area. The discussions provide a framework for assessing the connections between the economy and environment, as well as emphasizing the fundamental unity of the Great Lakes and St Lawrence River. There are many reasons for concern over the future quantity of water in the St Lawrence-Great Lakes system, including increased water consumption, the prospect of water diversions and the impacts of climatic change. In response to these concerns, the governments of Ontario, Quebec and the eight Great Lakes states committed themselves, with the signing of the Great Lakes Charter of 1985, to cooperatively planning and managing the water resources of the St Lawrence-Great Lakes basin. The need for an ecosystem approach to management has been recognized and the focus now is on implementation. The report concludes with a set of recommendations encouraging the region to work cooperatively and to assist in the development of policies that will enhance and maintain the St Lawrence River in a sustainable manner.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00423

308 (074778)

Environment Canada ; Ontario Ministry of the Environment * **Sweetwater seas : the legacy of the Great Lakes** * Environment Canada ; Ontario Ministry of the Environment , Toronto, Ont * nd * 24p

The 1976 Canada-Ontario Agreement on Great Lakes Water Quality synchronizes the work of both governments in the areas of research and development of pollution control measures, sewage treatment, and surveillance and monitoring. This booklet is designed to increase understanding of the Great Lakes ecosystem and to encourage citizens to take an active interest in its present and continued health. Problems affecting Great Lakes water quality are highlighted including acid rain, eutrophication, pollutants, and toxic chemicals. The ecosystem approach in tackling these problems is described to show how effects on one element within nature can set off a far-reaching chain of events having destructive consequences in areas far removed from the original point of impact.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00254

309 (091748)

Ontario Ministry of the Environment, Information Services Branch * **The water story** * Ontario Ministry of the Environment, Information Services Branch, Toronto, Ont * 1973 * 24p

This pamphlet suitable for the secondary school student, presents facts about water and describes Ontario's efforts to preserve its water resources. Topics covered include the hydrologic cycle, water uses, drinking water quality, water treatment, water distribution, and water pollution. The chemical content of Ontario's water and how Ontario controls phosphates are discussed. The pamphlet also includes a helpful list of terms used in water studies.

Library location: NFBU

Availability: Available for interlibrary loan from OOFF under WACE number 00225

Descriptive Reports

310 (091836)

YEE, P.; EDGETT, R.; EBERHARDT, A. * **Great Lakes-St. Lawrence River regulation : what it means and how it works**. - First edition * Ontario Region, Environment Canada , Burlington, Ont ; North Central Division, US Army Corps of Engineers , Chicago, IL, US * May 1990 * 12p

The Great Lakes-St Lawrence River system is one of North America's most important natural resources. The lakes and rivers provide countless benefits to the region, including a source of electricity. As hydroelectric power developed in the system, dams were built to artificially regulate the outflows from two of the five Great Lakes: Lake Superior and Lake Ontario. This booklet explains when and why this regulation came about, how it works, and its benefits and limitations.

Availability: Available for interlibrary loan from OOFF under WACE number 00302; Also available free from the Great Lakes Water Level Communications Centre, Environment Canada, Ontario Region, 867 Lakeshore Rd, PO Box 5050, Burlington, Ont L7R 4A6 (416) 336-4581

311 (092439)

Royal Commission on the Future of the Toronto Waterfront * **Watershed : interim report, August 1990** * Royal Commission on the Future of the Toronto Waterfront , Toronto, Ont * Aug 1990 * 207p

This second interim report of the Commission describes the ecosystem approach and how it is being used to regenerate specific areas in the Greater Toronto area. It includes eighty recommendations to ensure that the future of the Toronto watershed is consistent with the Commission's principles of a clean, useable, diverse, accessible, affordable and attractive waterfront. Area-wide issues include water quality improvement in the Greater Toronto region and particularly in Lake Ontario.

Library location: OOFF

Fact Sheets, Brochures, Leaflets

312 (091729)
KOCI, R. ; MUNCHEE, D. * **About the history of water treatment : Ontario's quest for clean water** * Ontario Ministry of the Environment , Toronto, Ont * 1984 * 9p

This article traces the search for pure drinking water in Ontario from the days of the first settlers to present-day water treatment plants found in most major municipalities. Epidemiological and health statistics attest to the overall improvement of the province's public health. Continued monitoring by Environment Ontario and others is expected to maintain the high quality of drinking water.

Availability: Available for interlibrary loan from OOFF under WACE number 00166; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave West, Toronto, Ont M4V 1P5 (416) 323-4321

313 (092435)
Environment Ontario * **Acid rain studies at Plastic and Harp lakes** = Etude des précipitations acides aux lacs Plastic et Harp * Environment Ontario , Toronto, Ont * Summer 1990 * 3p

This information sheet is designed to provide a general audience with background information about the biogeochemical studies undertaken at Plastic and Harp lakes to implement the Acidic Precipitation in Ontario Study (APIOS). The results to data of this study are also summarized.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00209; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

314 (091772)
Environment Ontario * **Backgrounder on MISA : stopping water pollution at its source** = Feuillet d'information sur la SMID : prévenir la pollution de l'eau * Environment Ontario , Toronto, Ont * nd * 2p

This leaflet, geared to a general audience, explains MISA's mandate to systematically reduce toxic water pollution from industrial and municipal dischargers. As well, it provides a list of tough new measures to regulate dischargers and explains the consultation process and the development of regulations.

Availability: Available for interlibrary loan from OOFF under WACE number 00171; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

315 (091732)
Grand River Conservation Authority * **Bringing nature back to the river** * Grand River Conservation Authority, Cambridge, Ont * Jan 1989 * 9p * 1 map : 1:4,800

This brochure outlines the four phases of the Snyder Flats Rehabilitation Plan in the Regional Municipality of Waterloo, Ontario. The plan is designed to increase fisheries production and create wetlands in this area, while simultaneously allowing for gravel extraction.

Availability: Available for interlibrary loan from OOFF under WACE number 00238; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

316 (091771)
Environment Ontario * **Class 1, 2 and 3 sewage systems** = Systèmes d'évacuation des classes 1, 2 et 3 * Environment Ontario , Toronto, Ont * Summer 1990 * 11p

Written for individuals living in areas not serviced by municipal sewage treatment plants, this fact sheet provides information on Classes 1, 2 and 3 sewage systems, including concise descriptions of their design and uses, the rules regarding permits, locations, and prefabricated systems, and six illustrations for their construction.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00218; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

317 (091804)
Hamilton Region Conservation Authority * **Conservation...for generations to come** * Hamilton Region Conservation Authority, Ancaster, Ont * nd * 2p * 1 poster : col, 45x37 cm

When unfolded, the Hamilton Region Conservation Authority's general information brochure is also a poster of a waterfall in the autumn.

Availability: Available for interlibrary loan from OOFF under WACE number 00289; Also available free from the Hamilton Region Conservation Authority, PO Box 7099, Ancaster, Ont L9G 3L3 (416) 525-2181

318 (091783)
Ontario Ministry of the Environment * **Countdown acid rain : about acidic precipitation and the need for remedial action** * Ontario Ministry of the Environment , Toronto, Ont * 1983? * 4p

Geared toward a general audience, this brochure defines acidic precipitation. In addition, it describes measurement methods, man-made sources of emissions, the origin of acid rain pollution, the areas affected, the need for international action and Canada/US negotiations.
Library location: OTM
Availability: Available for interlibrary loan from OOFF under WACE number 00167; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave West, Toronto, Ont M4V 1P5 (416) 323-4321

319 (091770)
Environment Ontario * **Countdown acid rain : acidification - warning signs** * Environment Ontario, Toronto, Ont * 1991 * 6p

This brochure explains how acid rain kills plant and aquatic life in Ontario's lakes. It also describes the levels of pH and how they affect aquatic ecosystems.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00206; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

320 (091769)
Environment Ontario * **Drinking water** = L'eau potable * Environment Ontario , Toronto, Ont * Summer 1990 * 5p

This information sheet outlines the history of water treatment in Ontario. The early efforts of various Ontario cities to make their water safe to drink are discussed. The article concludes with a paragraph on water treatment in Ontario today.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00214; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

321 (091768)
Environment Ontario * **Drinking water treatment plant operation** = Les usines de traitement de l'eau * Environment Ontario , Toronto, Ont * Summer 1990 * 4p

This information sheet reviews Environment Ontario's role in managing water resources and outlines the typical treatment methods and equipment used to purify water.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00211; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

322 (091767)
Environment Ontario * **Environment Ontario water programs** = Environnement Ontario et la protection des eaux * Environment Ontario , Toronto, Ont * Summer 1990 * 3p

This information sheet explains Environment Ontario's major initiatives to preserve and protect the quality of Ontario's water. The programs that are described include the Municipal/Industrial Strategy for Abatement (MISA), Remedial Action Plans (RAPs), LifeLines, the Drinking Water Surveillance Program, and the Ontario Sport Fish Contaminant Monitoring Program.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00217; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

323 (091802)
Hamilton Region Conservation Authority * **Fill, construction and alteration to waterways regulations : what could that possibly have to do with me?** * Hamilton Region Conservation Authority , Ancaster, Ont * nd * 4p

The regulations regarding fill, construction and alteration to waterways in the Hamilton Region are outlined in this brochure. It informs individuals why these regulations exist, how to find out if their property is affected, and how to apply for a permit in a regulated area.
Availability: Available for interlibrary loan from OOFF under WACE number 00288; Also available from the Hamilton Region Conservation Authority, PO Box 7099, Ancaster, Ont L9G 3L3 (416) 525-2181

324 (091734)
Grand River Conservation Authority * **Flood control** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This fact sheet discusses flood control in the Grand River watershed. Topics covered include what causes floods, whether the area is prone to flooding, the history of flooding in the area, and the role of the

Grand River Conservation Authority in lessening the problem.
Availability: Available for interlibrary loan from OOFF under WACE number 00226; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

325 (091801)
Ontario Ministry of Natural Resources * **Flooding! It can happen to you** * Ontario Ministry of Natural Resources , Toronto, Ont * 1978? * 6p

This brochure provides Ontario residents with a great deal of information about floods. The nature of seasonal and flash floods is explained; the duties of the Ministry's Streamflow Forecast Centre are outlined; and, the responsibilities of the Ministry of Natural Resources, the Conservation Authorities and individual homeowners are stated.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00283; Also available free from the Ontario Ministry of Natural Resources, Public Information Centre, Room 1640, Whitney Block, Queen's Park, Toronto, Ont M7A 1W3

326 (091764)
Environment Ontario * **Foaming of surface waters : a natural phenomenon on Ontario lakes** = Formation d'écume sur les eaux superficielles de nos lacs : un phénomène tout à fait naturel * Environment Ontario , Toronto, Ont * Summer 1990 * 2p

This information sheet explains the natural causes of foam on surface waters, as well as the pollutant type of foam on some waters, how they are caused, and what measures have been taken to limit the pollutant type of foam.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00216; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

327 (091736)
Grand River Conservation Authority * **Geography of the Grand River Basin** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This fact sheet discusses the geography of the Grand River Basin. Topics covered include the geologic history of the Valley, the role that glaciers played in shaping the area, and the climate zones of the watershed.
Availability: Available for interlibrary loan from OOFF under WACE number 00228; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

328 (091761)
Michigan State University, Michigan Sea Grant College Program * **Great Lakes Basin** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on the Great Lakes Basin is followed by more detailed data on water use, economic importance, resource issues, population and dimensions. A full page map of the Basin is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00158; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

329 (091735)
Grand River Conservation Authority * **A history of water problems** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

One of a series of fact sheets on water management, this leaflet deals with the history of water problems in the Grand River watershed. Issues covered include flooding, drought, and pollution. The role of the Grand River Conservation Authority in lessening these problems is also discussed.
Availability: Available for interlibrary loan from OOFF under WACE number 00227; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

330 (091758)
Michigan State University, Michigan Sea Grant College Program * **Lake Erie** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on Lake Erie is followed by more detailed data on water use, economic importance, resource issues, land and shoreline use and lake dimensions. A full page map of the lake and surrounding area is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00159; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

331 (091756)
Michigan State University, Michigan Sea Grant College Program * **Lake Huron** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on Lake Huron is followed by more detailed data on water use, economic importance, resource issues, land and shoreline use and lake dimensions. A full page map of the lake and surrounding area is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00200; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

332 (091759)
Michigan State University, Michigan Sea Grant College Program * **Lake Ontario** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on Lake Ontario is followed by more detailed data on water use, economic importance, resource issues, land and shoreline use and lake dimensions. A full page map of the lake and surrounding area is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00201; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

333 (091760)
Michigan State University, Michigan Sea Grant College Program * **Lake Superior** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on Lake Superior is followed by more detailed data on water use, economic importance, resource issues, land and shoreline use and lake dimensions. A full page map of the lake and surrounding area is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00160; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

334 (091831)
Upper Thames River Conservation Authority * **Land and water management regulations in the Upper Thames River watershed** * Upper Thames River Conservation Authority, London, Ont * 1984? * 8p

This brochure is designed to inform property owners in the Upper Thames River watershed of the regulations pertaining to land and water management in the area. Topics discussed include why regulations exist, what areas are regulated, how regulated areas are determined, and what activities are restricted. The permit procedure is explained, as are the penalties for violation of the regulations. A full page map of the Upper Thames River watershed is included.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00309; Also available free from the Upper Thames River Conservation Authority, RR #6, London, Ont N6A 4C1 (519) 421-2800

335 (091737)
Grand River Conservation Authority * **Low flow** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This fact sheet deals with man's role in altering the hydrology of the Grand River watershed. Episodes of drought and flood led to attempts to regulate the flow of the river. For instance, the Grand River Conservation Authority instigated programs dealing with reforestation, wetland preservation and the construction of conservation reservoirs to address flow problems.
Availability: Available for interlibrary loan from OOFF under WACE number 00229; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

336 (091025)
Ottawa River Regulation Planning Board * **Managing the waters of the Ottawa River** = Gestion des eaux de la rivière des Outaouais * Ottawa River Regulation Planning Board , Hull, Que * May 1984 * 10p

This leaflet presents the findings of a study which examined flooding of the Ottawa River and outlines recent actions to cope with the problem. These include the institution of flood control measures such as reservoirs and the establishment of a regulating committee, the Ottawa River Regulation Planning Board, responsible for ongoing operations of principal reservoirs in the basin.
Library location: OONL

Availability: Available for interlibrary from OOFF under WACE number 00090; Also available free from the Ottawa River Regulation Planning Board, Place Vincent Massey, 351 St Joseph Blvd, Hull, Que J8Y 3Z5

337 (091742)
Grand River Conservation Authority * **Monitoring systems** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

The role of the Grand River Conservation Authority in monitoring the water levels and flows at selected locations on the Grand River and its major tributaries, is discussed in this leaflet. Specific topics include: snow course monitoring, temperature monitoring and rain gauging, stream and lake level gauges, and the flood warning system.
Availability: Available for interlibrary loan from OOFF under WACE number 00234; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

338 (075947)
Environment Canada ; Ontario Ministry of Natural Resources * **A new approach to an old problem : the Canada Ontario Flood Damage Reduction Program** = Une nouvelle solution pour un vieux problème : le programme de réduction des dommages causés par les inondations Canada/Ontario * Environment Canada , Ottawa, Ont ; Ontario Ministry of Natural Resources , Toronto, Ont * 1986 * 10p

On March 31, 1978, Canada and Ontario signed a Flood Damage Reduction Program Agreement. This booklet outlines the major objectives of the Program. It also describes activities, such as flood risk mapping, that are conducted under the Program.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00284; Also available free from the Ontario Ministry of Natural Resources, Public Information Centre, Room 1640, Whitney Block, 99 Wellesley St W, Toronto, Ont M7A 1W3 or from MGS Publications Services Section, 5th floor, 880 Bay St, Toronto, Ont M7A 1N8 (416) 965-6015

339 (091787)
Environment Ontario * **New evidence for acid rain fight** = Il faut intensifier la lutte contre les pluies acides * Environment Ontario , Toronto, Ont * Summer 1990 * 3p

This information sheet informs a general audience about three scientific reports, published by Environment Ontario, which provide evidence demonstrating that further reductions in sulphur emissions are needed to control the acid rain problem.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00210; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

340 (091740)
Grand River Conservation Authority * **Non-structural management techniques** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This brochure deals with attempts by the Grand River Conservation Authority to manage the water resources of the valley using non-structural techniques; that is, means that do not involve physical construction projects. This includes reforestation, limiting construction on flood-prone areas, and wetland preservation.
Availability: Available for interlibrary loan from OOFF under WACE number 00232; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

341 (091741)
Grand River Conservation Authority * **Personal conservation techniques** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This brochure discusses what individuals can do to help conserve the water resources in the Grand River valley. Advice is given on reducing streambank erosion, building farm ponds, stream improvement, reforestation, and water conservation at home and on the farm.
Availability: Available for interlibrary loan from OOFF under WACE number 00233; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

342 (091792)
Environment Canada, Ontario Regional Office ; Ontario Ministry of the Environment * **Phosphorus** = Le phosphore * Environment Canada, Ontario Regional Office , Toronto, Ont ; Ontario Ministry of the Environment , Toronto, Ont * July 1984 * 2p

This general information fact sheet explains how phosphorus reaches the Great Lakes, its environmental effects, and the actions taken by the governments of Canada, the United States, and Ontario to clean up phosphorus pollution in the Great Lakes.
Availability: Available for interlibrary loan from OOFF under WACE number 00164

343 (091743)
Grand River Conservation Authority * **Rivers underground** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This brochure deals with groundwater in the Grand River valley. Specific topics include the source of the region's water supply, wells, the increasing demand for extraction being placed on the groundwater supplies and two proposals to combat this problem; namely, induced infiltration and artificial recharge.

Availability: Available for interlibrary loan from OOFF under WACE number 00235; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

344 (092258)
Saugeen Country Tourism Association * **Saugeen River canoe route** * Saugeen Country Tourism Association , Owen Sound, Ont * 4p

This brochure provides people considering canoeing the Saugeen River with general information regarding river conditions, camping and picnic areas along the route, and portages. A map of the river is provided and descriptions of day trips on the river are given.

Availability: Available for interlibrary loan from OOFF under WACE number 00332; Also available free from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

345 (092261)
Saugeen Valley Conservation Authority * **Saugeen shore watch** * Saugeen Valley Conservation Authority , Hanover, Ont * 1990 * 4p

Shoreline management of Lake Huron is described in this information leaflet. A profile of the shoreline, local efforts in shoreline management, the role of the Saugeen Valley Conservation Authority, and the need for shoreline management are outlined. This leaflet is intended to make the public aware of the shoreline functions and to promote a more sensitive and rational approach to the wise use of shoreline resources.

Availability: Available for interlibrary loan from OOFF under WACE number 00333; Also available free from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

346 (091786)
Environment Ontario * **Septic tank systems** = Les systèmes à fosse septique * Environment Ontario , Toronto, Ont * Summer 1990 * 11p

This information sheet is addressed primarily to people applying for a certificate of approval to construct a septic tank system. It provides detailed information and a checklist for the care and maintenance of a sewage system.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00212; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

347 (091785)
Environment Ontario * **Sewage treatment processes** = L'épuration des eaux d'égout * Environment Ontario , Toronto, Ont * Summer 1990 * 5p

This information sheet, written for a general audience, outlines the methods and purposes of the various types of treatment processes used in Ontario for sanitary sewage.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00219; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

348 (091744)
Grand River Conservation Authority * **Sources of water pollution** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This brochure provides definitions of the terms pollution, point pollution and non-point pollution. It then proceeds to offer some basic examples of point and non-point sources of pollution, and the effects they can have on water quality.

Availability: Available for interlibrary loan from OOFF under WACE number 00236; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

349 (091739)
Grand River Conservation Authority * **Structural management techniques** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

This brochure deals with attempts by the Grand River Conservation Authority to manage the water resources of the valley using structural techniques; that is, means that involve the designing, building and operation of man-made structures that alter the natural flow of the water during critical periods.

Availability: Available for interlibrary loan from OOFF under WACE number 00231; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

350 (091790)
International Joint Commission * **Toxic substances in the Great Lakes Basin ecosystem** * International Joint Commission , Windsor, Ont ; International Joint Commission , Detroit, MI, US * nd * 8p

This brightly illustrated leaflet, geared to a general audience, explains the sources and effects of toxic pollutants in the Great Lakes. It outlines how we can stop the toxic contamination that threatens human health.
Availability: Available for interlibrary loan from OOFF under WACE number 00186; Also available free from the International Joint Commission, 8th floor, 100 Ouellette Ave, Windsor, Ont N9A 6T3 (519) 256-7821

351 (091733)
Grand River Conservation Authority * **Valley, stream and wetland regulations : are you affected?** * Grand River Conservation Authority , Cambridge, Ont * nd * 5p * 1 map : scale 1:700,000

This brochure is designed to inform the general public of the regulations pertaining to streams, wetlands, and floodplains in the Grand River Valley, Ontario. Topics discussed include fill, construction and alteration to waterways, how to determine if your property is subject to regulation, and how to apply for a construction permit.
Availability: Available for interlibrary loan from OOFF under WACE number 00237; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

352 (091779)
Ontario Ministry of the Environment ; Ontario Ministry of Consumer and Commercial Relations * **Water fit to drink? Consumer facts about the use of home water treatment devices** * Ontario Ministry of the Environment ; Ontario Ministry of Consumer and Commercial Relations * 1986? * 7p

Geared to a general audience, this brochure provides consumer facts about the use of home water treatment devices.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00165; Also available free from Ontario Environment, Public Information Centre, 135 St Clair Ave West, Toronto, Ont M4V 1P5 (416) 323-4321

353 (091738)
Grand River Conservation Authority * **Water quality monitoring** * Grand River Conservation Authority , Cambridge, Ont * nd * 4p

One of a series of fact sheets on water management in the Grand River watershed, this leaflet discusses the role of the Grand River Conservation Authority in monitoring the quality of water in the river.
Availability: Available for interlibrary loan from OOFF under WACE number 00230; Also available free from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont (519) 621-2761

354 (091782)
Environment Ontario * **Water wells and groundwater supplies : recommended methods for plugging abandoned water wells** = Les puits et les réserves d'eau souterraine : méthodes recommandées pour l'obturation des puits abandonnés * Environment Ontario , Toronto, Ont * Summer 1990 * 6p

Prepared for people planning to abandon wells on their property, this information sheet describes effective means of covering various types of abandoned wells, and provides an illustration of sealing requirements for overburdened wells.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00213; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

355 (091784)
Environment Ontario * **Water wells and groundwater supplies : the protection of water quality in bored and dug wells** = Les puits et les réserves d'eau souterraine : préservation de la qualité de l'eau dans les puits forés à la tarière et les puits ordinaires * Environment Ontario , Toronto, Ont * Summer 1990 * 5p

This information sheet outlines the factors contributing to the deterioration of well water quality. It lists preventative maintenance measures, including guidelines for well construction, and also provides an illustration of sealing requirements for bored and dug wells.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00215; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

356 (091778)
Environment Ontario * **Water wells in Ontario : important facts about water well construction** = Puits d'eau en Ontario : renseignements importants sur la construction d'un puits * Environment Ontario , Toronto, Ont * 1988? * 4p

This brochure outlines the basic requirements in Ontario for licensing a well. It also discusses construction requirements, well contamination, maintenance, and abandoning a well. Additional information sources are provided.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00204; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

357 (092611)
Environment Ontario, Great Lakes Section ; Environment Canada * **Working together for the Great Lakes : remedial action plan** = Assainissons ensemble les Grands Lacs : plan d'assainissement * Environment Ontario, Great Lakes Section , Toronto, Ont ; Environment Canada , Toronto, Ont * nd * 4p

This brochure is designed to make the public aware of Remedial Action Plans (RAPs) and how they work. RAPs are cleanup plans aimed at restoring and protecting water quality in 17 areas in the Canadian section of the Great Lakes basin. Major issues in the 17 areas of concern and background information on Great Lakes water quality are presented. Public consultation and involvement are an important part of the RAP process and the public is encouraged to participate in and contribute to the development and implementation of Remedial Action Plans.
Availability: Available for interlibrary loan from OOFF under WACE number 00367

358 (093245)
SNYDER, F.L. * **Zebra mussels in the Great Lakes : the invasion and its implications** (see entry number 605 for complete reference)

Collected Works

359 (091826)
Pollution Probe (comp) * **Great Lakes : information package** * 1991? * 37p

This package contains six previously-published articles and one press release on the water quality of the Great Lakes. The articles, mainly Probe Post and Seasons magazines, focus on water quality deterioration in the Great Lakes caused mainly by industrial wastewater discharges. The risks of this toxic pollution to human health, aquatic populations and the recreational uses of the Lakes are well documented in the articles. The need for public awareness and involvement in stopping further deterioration is also stressed. The public release from the International Joint Commission summarizes the main points of the Commission's fifth biennial report which concludes that public health is threatened by exposure to the persistent toxic substances found in the Great Lakes and that immediate action is necessary.
Availability: Available for interlibrary loan from OOFF under WACE number 00241; Also available at cost from Pollution Probe, 12 Madison Ave, Toronto, Ont M5R 2S1 (416) 926-1907

Serials, Journals

360 (091848)
London Free Press * **The 1937 flood** * In: Encounter * London Free Press , London, Ont * 25 Apr 1987 * 27p

This special edition of Encounter recounts the flood of the Thames River in London, Ontario on April 25-26, 1937 when five people died and thousands were left homeless. Interviews with people who were there, photographs of the flood, the aftermath of the flood, the extent of flood damage, and the creation of the Upper Thames River Conservation Authority, are reported.
Availability: Available for interlibrary loan from OOFF under WACE number 00311; Also available free from the Upper Thames River Conservation Authority, RR #6, London, Ont N6A 4C1 (519) 451-2800

361 (092424)
Regional Municipality of Waterloo * **Environews** * Regional Municipality of Waterloo , Waterloo, Ont * 1989- * 1(1)-

This newspaper-type publication provides tips, suggestions and general interest articles for Waterloo, Ontario, residents on recycling, proper waste disposal, water conservation, waste reduction, and other environmental topics. The emphasis is on local issues, events and personnel.
Availability: Available from Environews, c/o Regional Municipality of Waterloo, Engineering Department, 20 Erb Street West, Waterloo, Ont N2J 4G7

362 (091810)
International Joint Commission, Great Lakes Regional Office * **Focus on International Joint Commission activities** * IJC Great Lakes Regional Office , Windsor, Ont * 1986- * 11(2)-

This journal, published three times a year, provides interested citizens with articles which address and provide updates on Great Lakes issues, or on other boundary waters between the United States and Canada. Activities and upcoming meetings of the International Joint Commission as well as workshops and conferences on environmental issues are highlighted. A section entitled Bookshelf provides references to new publications in the field.

Availability: Available free from Information Services, International Joint Commission, Great Lakes Regional Office, 100 Ouellette Ave, 8th floor, Windsor, Ont N9A 6T3 (519) 256-7821, FAX (519) 256-7791

363 (092442)
Federation of Ontario Naturalists * **The Great Lakes** * In: Seasons * Federation of Ontario Naturalists , Don Mills, Ont * Fall 1987 * 27(3) 62p * 1 poster : col, 75x100 cm

This issue of Seasons contains nine articles on the Great Lakes covering such areas as their evolution, threats to the ecosystem, rehabilitation, human health issues, the diversity of plant and animal life, cleanup operations, and water quality degradation. Also of interest to the public is a selected list of government bodies and conservation groups working for the improvement of the lakes. A foldout colour map and companion article highlighting 32 special places on the Great Lakes shorelines can be used as a poster.

Availability: Available for interlibrary loan from OOFF under WACE number 00348

364 (091823)
LIROFF, R.A. * **The Great Lakes Basin : a great resource at risk** * In: Conservation Foundation letter * Conservation Foundation , Washington, DC, US * 1989 * (5) 12p

A joint study on the health of the Great Lakes by the Conservation Foundation of Washington, DC, and the Institute for Research on Public Policy of Ottawa, Ontario is summarized. Recommendations to alleviate current water quality problems and prevent further degradation are presented. Actions that need to be taken in the United States to build on the Canada-United States Great Lakes Water Quality Agreement are outlined. Although commendable action has already taken place in both countries through Remedial Action Plans, much remains to be done. Many chemicals can be controlled effectively only at the international level and setting goals and standards and backing them up with regulations will aid greatly in the protection of the Great Lakes ecosystem and the health of the inhabitants of the region.

Availability: Available for interlibrary loan from OOFF under WACE number 00246

365 (093255)
Great Lakes United * **The Great Lakes United** * Great Lakes United, State University College at Buffalo , Buffalo, NY, US * Apr 1986- * 1(1)-

This newsletter is the production of a Canada-United States coalition for the protection of the Great Lakes/St Lawrence ecosystem. It contains a variety of articles on the status of commitments made under the Canada-United States Great Lakes Water Quality Agreement and discusses public efforts and activities aimed at protecting the environmental quality of these water bodies. Recent publications on the Great Lakes and the St Lawrence ecosystems, the status of ongoing and new programs to conserve and restore natural areas in the Great Lakes, and upcoming conferences of interest to the target audience, are highlighted.

Availability: Available from Great Lakes United, State University College at Buffalo, Cassety Hall, 1300 Elmwood Ave, Buffalo, NY, US 14222 (716) 886-0142

366 (091749)
Grand River Conservation Authority * **On the Grand** * Grand River Conservation Authority , Cambridge, Ont * 1973?- * 1(1)-

This quarterly publication contains news items concerning the programs and projects of the Grand River Conservation Authority in the Grand River valley, Ontario. Aimed at member municipalities and other interested groups and persons, it focuses on environmental protection and conservation issues.

Availability: Available from the Grand River Conservation Authority, 400 Clyde Rd, Box 729, Cambridge, Ont N1R 5W6 (519) 621-2761

367 (092444)
Thames River Implementation Committee ; Upper Thames River Conservation Authority * **Talk of the Thames** * 1981-

This newsletter published twice a year is intended to inform the public of the activities of the Thames River Implementation Committee and later, the Thames River Conservation Authority, in improving the water quality of the Thames River. Topics covered include conservation tillage, municipal drain

construction and maintenance, erosion control, flooding, and urban runoff. It also offers technical advice on many of these topics.
Availability: Selected issues available for interlibrary loan from OOFF under WACE number 00310; Also available from the Upper Thames River Conservation Authority, RR #6, London, Ont N6A 4C1 (519) 451-2800

Journal Articles

368 (090023)
DRIEDGER, S.D. * **Assessing the health risks : water contains traces of toxins** * In: Maclean's * 15 Jan 1990 * p34

Analyses of Toronto tap water have revealed traces of a large number of both minerals and chemicals. The article discusses current drinking water guidelines and treatment processes while pros and cons of possible health hazards are briefly outlined.
Availability: Available for interlibrary loan from OOFF under WACE number 00052

369 (072350)
WELLER, P. * **The battle against acid rain : reason to hope : a dramatic upsurge in public awareness has pushed us close to a turning point in the battle** * In: Seasons * Summer 1987 * 27(2) 26-29, 36-37

The fight for acid rain control in Canada appears to be gaining ground with the rapid growth in public awareness of the problem and public demand on politicians for stricter emission controls. Over 90% of Canadians are now aware of acid rain, a dramatic increase from 1981 when the Canadian Coalition on Acid Rain was formed. The level of awareness in the United States is also increasing although political inaction has failed to realize a bilateral agreement for tighter emission controls. In Canada, the federal government and the seven provinces east of Saskatchewan have agreed to cut sulphur dioxide emission to half their 1980 levels by 1994. Quebec and Ontario have already developed programs to help meet the 50% reduction target. A similar emission reduction plan is needed in the United States to control this transboundary political and economic problem. Although some individual states have pledged emission reduction or ceilings, an urgent need exists for a bilateral acid rain treaty and US legislation to control sulphur emissions in the United States. Growing public awareness in both countries of the environmental destruction and health-related effects of acid rain may finally solve the acid rain battle.
Availability: Available for interlibrary loan from OOFF under WACE number 00196

370 (091820)
Controlling Great Lakes pollution * In: Probe post * Summer 1987 * 10(2) 20-21, 23

This article encourages the public to get involved by writing letters and joining environmental groups in an effort to prevent further water quality deterioration of the Great Lakes. Suggestions are offered on ways that sewage treatment plant discharges, direct industrial discharges, urban runoff, agricultural runoff, toxic fallout, and household toxins can be controlled. An ecosystem approach, which relates all elements and processes of the ecosystem to each other, is seen as the only way to control pollution in the Great Lakes.
Availability: Available for interlibrary loan from OOFF under WACE number 00245

371 (092437)
WELLER, P. * **Drinking, eating and swimming** * In: Seasons * Fall 1987 * 42-45

This article, aimed at a general audience, examines the sources and effects of toxic pollutants in the Great Lakes. It provides data on the high incidence of diseases in Great Lakes fish caused by toxic chemical pollution mainly from industrial plants in the Basin. The need for immediate cleanup and water pollution control is stressed.
Availability: Available for interlibrary loan from OOFF under WACE number 00244

372 (080418)
KEATING, M. * **An ecosystem health report** * In: Seasons * Fall 1987 * 27(3) 35-41

This paper reviews the effects of our industrialized society on the Great Lakes ecosystem. The injuries inflicted on the lakes in the last few centuries fall into four major categories: over-fishing, destruction of wildlife habitat, pollution, and the introduction of foreign species. These are reviewed and their effects on the ecosystem described. Cleanup operations in effect and improvements in water quality are reviewed. These include the international phosphorus reduction programs associated with improved sewage treatment, reduction of phosphorus in detergents and changes in agricultural practices brought about under the Great Lakes Water Quality Agreements; controls on commercial and sport fishing to allow re-establishment of endangered species of fish; sea lamprey control programs; legislation against industrial pollution; control of toxic substances; reintroduction of fish and bird species decimated by previously high levels of organic compounds in the

BEST COPY AVAILABLE

lakes as well as reintroduction of fish species adversely affected by sea lamprey populations; new legislation and regulations such as Ontario's Municipal Industrial Strategy for Abatement (MISA); and the Remedial Action Plans for the cleanup of areas where the quality of water for drinking water, swimming or aquatic life has been impaired. Use of less toxic alternatives and recycling of waste products will decrease the amounts of toxic materials added to the environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00243

373 (091775)
BILLINGTON, C. * **Forty days & forty nights : proof of the power of rising water can be found in the barely submerged ark mentality of people who weathered the 1950s' Hurricane Hazel** * In: Seasons * Winter 1984 * 24(4) 14-19

This article outlines the work of Ontario's Conservation Authorities who are responsible for controlling the use of flood-plain lands along the province's lakes and rivers and protecting people from a reasonable degree of flood risk. New regulations designed to reduce the potential conflict between flood protection and private property rights are planned for Ontario. Flood plain maps and flood forecasting services give early warning of when, where and how high the peak flow will be to better prepare residents living near flood-risk areas.
Availability: Available for interlibrary loan from OOFF under WACE number 00189

374 (072598)
DAVIES, K. * **Great Lakes drinking water : risky refreshment** * In: Alternatives * Sept 1986-Oct 1986 * 13(3) 33-35

Chemical contamination of Lake Ontario caused by heavy industrialization has led to a deterioration in the quality of Toronto's drinking water. One of the main arguments in the debate on Toronto's drinking water quality is that the existing treatment system does nothing to remove chemicals from raw lake water. The chlorine used in water treatment processes reacts with plant and animal material in the water to produce mutagenic and carcinogenic trihalomethanes. Although there is no hard evidence linking Toronto's drinking water to human health effects, there is some indirect evidence of a relationship from epidemiological studies conducted elsewhere. Methods of improving drinking water quality in Toronto, including reducing and preventing the entry of any more toxic chemicals into the Great Lakes ecosystem and examining more effective methods of reducing chemical concentrations in drinking water, are urged to protect public health to the highest standard possible.
Availability: Available for interlibrary loan from OOFF under WACE number 00248

375 (091845)
SCOTT, A. * **Great Lakes water diversions : America's water shortage could become Canada's problem if proposed schemes to channel water south turn into reality** * In: Probe post * June 1985 * (8)1 7-11

Concern about Canada's changed policy with respect to water exports from the Great Lakes to the United States is highlighted in this article. The looming water shortage in the southwestern and midwestern American states has led to an increased interest in water diversion to the United States. Even the GRAND (Great Recycling and Northern Development) Canal Project to dam the mouth of James Bay and create a fresh water lake that could be pumped into the Great Lakes for diversion, is starting to gain more support especially in Quebec. The Great Lakes Charter signed by the Great Lakes' states and provinces aims to cooperatively protect the Great Lakes water resources. However, the reemergence of the Erie-Ohio Canal project to divert water two months after the signing of the Charter raises doubts about the Charter's intent.
Availability: Available for interlibrary loan from OOFF under WACE number 00247

376 (091774)
PARSONS, J. * **Greening at the water's edge** * In: Seasons * Summer 1980 * 20(2) 32-33, 36-37, 49

This article presents suggestions for the individual interested in rehabilitating a damaged streambank into a healthy wildlife environment. The types of shrubs, bushes, ground plants, and trees to plant as well as planting methods and soil preparation are explained.
Availability: Available for interlibrary loan from OOFF under WACE number 00193

377 (065736)
WAINIO, A. * **Our tormented rivers** * In: Seasons * Federation of Ontario Naturalists , Don Mills, Ont * Summer 1980 * 20(2) 26-31, 49

Degradation of our waterways began with the pioneers. In Ontario, the first streams to suffer from encroaching settlements were those flowing into Lake Ontario. The Atlantic salmon declined and became extinct from Lake Ontario by the late 19th century. Dams from grist and sawmills on small streams entering Lake Ontario blocked the salmon from reaching the upstream spawning beds.

Recovery has occurred in some streams but experimental plantings of Atlantic salmon fry in Duffin Creek east of Toronto in the 1950s, revealed that warm water temperatures and lack of overhanging bushes and trees prevented the salmon from surviving. Logging and pulp mills have also had disastrous effects on fish and other aquatic life. The spread of dams for logging, hydro, irrigation, flood control, or recreation, has played havoc with stream flow and aquatic life. Private landowners may damage the ecosystem by cleaning up a stream on their property, straightening it, cleaning out weeds and rocks, and then erecting a dam. Trout streams are among the most sensitive ecosystems. Large scale irrigation, watering cattle, and other farming practices may also damage streams. Highway spills, such as the 1975 overturning of a tanker truck loaded with styrene on Highway 401 near Massie Creek east of Cobourg, may kill all the life in a stream.

Availability: Available for interlibrary loan from OOFF under WACE number 00192

378 (091821)

REID, R. * **Pictured waters : one of Canada's great canoeing rivers, the Missinaibi overflows with natural and cultural history** * In: Seasons * Spring 1990 * 30(1) 16-21

This article provides a vivid description of the geological, biological and historical features of the Missinaibi River, Ontario and its attraction as a whitewater canoeing river. Concern is growing, however, over Ontario Hydro's plans to develop hydroelectric power in the nearby Moose River drainage as well as in 12 sites along the Missinaibi River. The public is encouraged to be vigilant and prevent any destruction of the river or the Missinaibi Provincial Park.

Availability: Available for interlibrary loan from OOFF under WACE number 00198

379 (052531)

LONGSTAFF, F. * **The river everyone wants** * In: Seasons * Federation of Ontario Naturalists , Don Mills, Ont * Fall 1980 * 20(3) 30-35

The Spanish River, easily accessible west of Sudbury, is a whitewater canoeist's paradise. Quiet sections are interspersed with set after set of navigable rapids. Now INCO (International Nickel Company) wants to dam it, thereby drowning the rapids. In the early 70's the international oil crisis led INCO to look for reasonably priced energy, and by 1977 they had identified potential dam sites on the Spanish River. If these dams are built, not only will a recreational river be lost, but forests will be flooded, aquatic life at water's edge will be jeopardized, and beaver and fish will suffer. INCO will have to submit an environmental assessment to the Ontario Ministry of the Environment. Other interested parties, such as the Federation of Ontario Naturalists and the Wilderness Canoe Association, will be able to make submissions after INCO's assessment and the Minister's review have been made public. The author questions the need for a private power supply when Ontario Hydro has a surplus. Short term economic gains should be balanced against the loss of a natural resource that will last forever if managed wisely.

Availability: Available for interlibrary loan from OOFF under WACE number 00194

380 (090034)

CORELLI, R. ; HARROLD, M. * **A river of history: whales are dying from poison** * In: Maclean's * 15 Jan 1990 * p39

The dwindling beluga population has come to symbolize the deterioration of the historic 745 mile St Lawrence River. Both the federal and Quebec governments have announced multimillion dollar programs to clean up the river. Progress in cutting pollution is discussed as well as the five year goal of reducing pollution going into the river. Environmentalists question the effectiveness of these projects because of the continuing political squabbling between the two governments. However, researchers are continuing in their efforts to save the beluga by such initiatives as the Adopt-a-Beluga campaign and by gathering as much information as they can on the beluga's behaviour and habits.

Availability: Available for interlibrary loan from OOFF under WACE number 00055

381 (091819)

HICKMAN, P. * **To know a wetland is to love a wetland** * In: Seasons * Spring 1983 * 23(1) 16-22

This article encourages adults to stimulate the natural curiousity of children by visiting a wetland and discovering the rich variety of wildlife that lives there. Tips are provided on what to wear, what simple equipment to bring, and how to be informed about wetlands prior to the outing. A list of nature clubs and special interest groups affiliated with the Federation of Ontario Naturalists is included.

Availability: Available for interlibrary loan from OOFF under WACE number 00190

382 (091818)

REID, R. * **Troubled waters : with its trout and whitefish populations no longer reproducing naturally, Lake Simcoe struggles to recover from the devastation of phosphorus pollution** * In: Seasons * Winter 1986 * 26(4) 40-45

This article examines the causes of water quality degradation and decline of fish populations in Lake Simcoe. It is designed to inform the public that large quantities of phosphorus from agricultural activities are reaching the lake through tributaries like the Holland River and causing eutrophication and oxygen depletion. Steps are being taken to halt further deterioration from urban sources but progress is slower in diffusing agricultural sources of pollution.
Availability: Available for interlibrary loan from OOFF under WACE number 00195

383 (092438)
KINGSMILL, S. * **Turning the tide** * In: Seasons * Fall 1990 * 30(3) 24-28, 35

This article documents four ways in which Ontario's cottagers are destroying shoreline habitats. By clearing the backshore, getting rid of weeds and rocks, building docks and boathouses, and building retaining walls, cottagers are intruding on aquatic vegetation which maintain the health of the water. A list of sources of help and funding to control and prevent shoreline degradation is provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00199

384 (053661)
Wetland primer : illustrated guide to the basic wetland types * In: Ontario naturalist * Summer 1979 * 19(2) 29-34

The seven types of wetland in Ontario are shown through photographs illustrating the differences in vegetation, wildlife, and water levels. Reedswamp, marsh, carr, fen, wooded swamp, raised bog, and pond bog are the wetland types which differ in how they were formed but which all have one common feature - a high water table for at least part of the year.
Availability: Available for interlibrary loan from OOFF under WACE number 00287

Audiovisual Material

385 (093231)
Environment Canada * **The St. Lawrence River : a living heritage** * Environment Canada * 1988 * 1 videocassette (14 min) : sd, col, VHS

The joint activities of Environment Canada and the Quebec Ministry of the Environment in cleaning up the St Lawrence River, are highlighted. Following a signed agreement in 1988, these governments pledged to conserve, restore, and protect the River at a cost of $110 million. The video shows what the St Lawrence Action Plan is expected to achieve in the areas of toxic chemical reduction, marine park establishment (primarily to protect the beluga whale), wildlife habitat protection, wetland rehabilitation, and the use of environmental technologies to help achieve specified goals. The video also includes discussions of a typical family that show how the individual can help in the cleanup program.
Availability: Available for interlibrary loan from OOFF under WACE number 00431

386 (091754)
Federation of Ontario Naturalists * **Why wetlands?** (see entry number 442 for complete reference)

Posters, Charts

387 (091804)
Hamilton Region Conservation Authority * **Conservation...for generations to come** (see entry number 317 for complete reference)

Directories, Catalogues

388 (083183)
International Joint Commission, Great Lakes Regional Office ; International Joint Commission, Great Lakes Regional Office * **Directory of Great Lakes education material**. - Third edition * Great Lakes Science Advisory Board, International Joint Commission , Windsor, Ont * 1987, 1989 printing * x, 68p

Educators and producers of educational programs were surveyed to determine what materials they found most useful in teaching about the Great Lakes. The goal of these surveys was to determine the items most often used by teachers and in what subject areas and grades. It is these items that make up this directory. The directory is limited to materials and producers of materials dealing with the Great Lakes Basin ecosystem, environmental studies and ecology in general. Materials published prior to 1978 have been omitted unless the contents provide basic information relevant to the Great Lakes ecosystem. Material is listed in broad categories according to format, including print and audio-visual formats. A list is also included of sources of material and information on issues of the Great Lakes basin. A subject index is included.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00275

Serials, Journals

389 (091810)
International Joint Commission, Great Lakes Regional Office * **Focus on International Joint Commission activities** (see entry number 362 for complete reference)

Elementary Secondary Education

Teaching Guides

390 (092427)
Ontario Newspaper in Education Association * **Down to earth : managing our natural resources** * Ontario Newspaper in Education Association * 1990 * 1 kit (7 pieces) : 1 teacher's guide; 6 pamphlets

This kit makes extensive use of local newspapers to make students in grades 3 to 12 aware of the importance of renewable natural resources as basic elements of life in Canada. It contains a teacher's guide, background material, fact sheets, and key word lists. The activities in the four independent units on fish and wildlife, forests, water and soil, are not assigned grade levels and are broad in scope. The water unit presents a newspaper article with related activities as well as water facts, topical issues for discussion, a list of key water words, and a wide range of general newspaper activities.
Availability: Available for interlibrary loan from OOFF under WACE number 00184; Also available at cost from Educational Services, The Ottawa Citizen, 1101 Baxter Road, Box 5020, Ottawa, Ont K2C 3M4 (613) 596-3572

Journal Articles

391 (091819)
HICKMAN, P. * **To know a wetland is to love a wetland** (see entry number 381 for complete reference)

Elementary Education

Teaching Guides

392 (092264)
US Environmental Protection Agency, Great Lakes National Program Office * **Great minds? Great Lakes! Don't miss the boat with environmental education** * US Environmental Protection Agency, Great Lakes National Program Office , Chicago, IL, US * June 1990 * 23p

The lesson plans in this booklet provide elementary teachers with an integrated approach to incorporating Great Lakes environmental issues into the subjects of history, social studies, and science. Each subject area contains background information, discussion points, and a variety of hands-on activities designed to illustrate the major points of each lesson. A map of the Great Lakes is provided for photocopying and for use with discussion points and activities. The manual follows the journey of the ship Lake Guardian as it travels from lake to lake introducing students to some of the more compelling environmental problems affecting the Great Lakes today like acid rain and the environmental effects of water pollution.

Availability: Available for interlibrary loan from OOFF under WACE number 00328; Also available free from the US Environmental Protection Agency, Region V, 230 South Dearborn St, Chicago, IL, US 60604

Creative Works (Literature, Cartoons ...)

393 (091798)
ATTFIELD, P. * **Balancing the global water budget** * Kortright Centre for Conservation, Metropolitan Toronto and Region Conservation Authority , Downsview, Ont * nd * 1p

This information sheet describes an activity that can be used by teachers and group leaders to demonstrate the water cycle to children. A list of questions that can be used to reinforce the activity is also included.
Availability: Available for interlibrary loan from OOFF under WACE number 00298; Single copies also available free from Peter Attfield, Kortright Centre, Metro Toronto & Region Conservation Authority, 5 Shoreham Dr, Downsview, Ont M3N 1S4 (416) 832-2289

394 (091800)
ATTFIELD, P. * **Splash dance** * Kortright Centre for Conservation, Metropolitan Toronto and Region Conservation Authority , Downsview, Ont * nd * 2p

This information sheet instructs teachers or group leaders on how to lead a role-playing activity designed to teach children age 7 to 11 about the water cycle.
Availability: Available for interlibrary loan from OOFF under WACE number 00297; Single copies are also available free from Peter Attfield, Kortright Centre, Metro Toronto & Region Conservation Authority, 5 Shoreham Dr, Downsview, Ont M3N 1S4 (416) 832-2289

395 (091797)
ATTFIELD, P. * **The water-totter** * Kortright Centre for Conservation, Metropolitan Toronto and Region Conservation Authority , Downsview, Ont * nd * 1p

This information sheet describes an activity that can be used by teachers and group leaders to illustrate how much of the human body is water.
Availability: Available for interlibrary loan from OOFF under WACE number 00299; Single copies are also available free from Peter Attfield, Kortright Centre, Metro Toronto & Region Conservation Authority, 5 Shoreham Dr, Downsview, Ont M3N 1S4 (416) 832-2289

Primary Education

Teaching Guides

396 (091791)
Ontario Ministry of Education ; Ontario Ministry of Energy * **We really care about water and air!** * Ontario Ministry of Education , Toronto, Ont * 1980 * 31p

This teacher's manual contains twelve activity sets focusing on water and air for the primary grades which may be used over a four-week period. Through hands-on activities, the children will discover the source of water and how water and air are used to produce energy. The activity sets are on water uses, sources of water, the need of living things for water, the water cycle, water conservation, water purification, water pollution, making a water wheel, tricks with water, the air around you, the need of living things for air, and air pollution. The activities can be carried out in the classroom using readily-available materials.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00169

Intermediate Grades

Reports

397 (079524)
University of Windsor, Great Lakes Institute * **Social sciences : volume II** (see entry number 459 for complete reference)

Teaching Guides

398 (091730)
BILLINGTON, C. (ed) * **Conservation education source books** * Rideau Valley Conservation Authority ; Cataraqui Region Conservation Authority ; Mississippi Valley Conservation Authority * 1981-1989 * 4v

This set of four Eastern Ontario conservation source books are intended to be teacher aids to out-of-classroom learning experiences in ecology for grades 3-12. Each source book contains background information to give the teacher a basic knowledge of the topic. A "Classroom Preparation" section out-

lines the basic concepts to stress, provides a list of new words, and indicates those skills that must be developed prior to the field session. Specific suggestion for field activities related to each topic are included. Topics covered are trees, wild animals (volume 1), winter survival of plants and animals (Volume 2), aquatic life, succession (Volume 3), encouraging wildlife, and maple syrup (Volume 4). The two units on water explore the water cycle, erosion, and floods (Volume 2) and freshwater ecosystems (Volume 3).
Library location: OKQ

399 (093222)
Waterloo Region Catholic School Board * **Discover the 5 : a Great Lakes investigation** * Waterloo Region Catholic School Board , Kitchener, Ont * nd * 335p

This teacher's manual, containing eight sections on various aspects of the Great Lakes, is designed to introduce intermediate grade students to the Great Lakes Basin. The sections include: an introduction to the Great Lakes; a description of the natural processes which have occurred and are presently occurring in the Great Lakes Basin; the history of the Great Lakes Basin; a selection of creative works from or about the Great Lakes Basin such as paintings, songs and legends; a discussion of shipping in the Great Lakes; a description of transportation in the Great Lakes Region including an examination of waterways, railways and roadways; an outline of the agricultural industry of the Great Lakes Region; and, a discussion of commercial and recreational fishing on the Great Lakes. Activities are presented in each section to familiarize students with many of the characteristics under discussion. These activities include mapping, graphing, discussion topics, videos, pamphlet design, and topics for written research.
Availability: Available for interlibrary loan from OOFF under WACE number 00426; Also available from the Waterloo Region Catholic School Board, 91 Moore Ave, Kitchener, Ont N2H 3S4 (519) 578-3660, FAX (519) 578-5291

400 (092430)

Ecofriend : the Great Lakes education kit * Ontario Ministry of Government Services , Toronto, Ont * 1986 * 1 kit (17 pieces) : ill; maps; puzzles; forms; transparencies; 1 poster: col, 400x360 cm

This kit on Great Lakes pollution designed for grades 4-8 contains lesson plans, activities, maps and fact sheets, most of which can be duplicated. The lesson plans and activities can be used as a complete unit on Great Lakes pollution or as supplementary material within other curriculum subjects. A complete unit takes 2-4 weeks. A list of audio-visual aids and availability is included as well as a giant wall map of the Great Lakes. The kit is divided into three sections: people and the lakes cover water uses, pollutants, and the water cycle; nature in balance covers ecosystems, disruption by pollution, and soil type land use; and, people in action covers household wastes, waste disposal, and wastewater production.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00170

401 (092260)
Saugeen Valley Conservation Authority * **The Saugeen watershed** * Saugeen Valley Conservation Authority , Hanover, Ont * nd * 14p

This descriptive booklet, suitable for intermediate grades, provides information on the Saugeen River watershed. The various programs of the Saugeen Valley Conservation Authority and the Ontario Ministry of Natural Resources to help curb topsoil loss, correct drainage deficiencies, improve water quality, and increase fish and wildlife populations and the value of farm woodlots, are explained. A quiz and an answer sheet on the Saugeen River watershed is included.
Availability: Available for interlibrary loan from OOFF under WACE number 00337; Also available from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

402 (091796)
Ontario Ministry of Education ; Ontario Ministry of Energy * **Water and energy** * Ontario Ministry of Education , Toronto, Ont * 1980 * 40p

This teacher's manual, geared to grades 4-6 in Ontario's schools, contains twelve activity sets designed to make the student aware of how he uses water and to recognize the related use of energy at various points in the water systems. The activity sets focus on the forms of water, water use, water treatment, water pollution, the water wheel, water use in the production of electricity, steam as power, movement of heat in water, heat energy in water, baths and showers, water conservation, and evaporation. The purpose of the activity set, instructions for the activity, follow-up activities, and related ideas accompany each set.
Library location: OONL
Availability: Available for interlibrary loan from OOFF under WACE number 00168

403 (092285)
Saugeen Valley Conservation Authority * **The water quality of the South Saugeen River** * Saugeen Valley Conservation Authority , Hanover, Ont * 1991? * 19p

This unit on water quality in the South Saugeen River is designed to introduce intermediate grade level students to water quality data collected from gauging stations along the river, the sources of water pollution, and the upstream-downstream concept. It is useful in geography, environmental studies, mathematics, language arts, health, science, and social studies. Two hands-on activities with simple material requirements are presented. Teachers are provided with support materials including background information sheets, word lists, water quality data charts, a map of the study area, and observation-related activity worksheets and answer sheets.

Availability: Available for interlibrary loan from OOFF under WACE number 00334; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (510) 364-6990

404 (092286)
Saugeen Valley Conservation Authority * **The water quality of the Teeswater River** * Saugeen Valley Conservation Authority , Hanover, Ont * nd * 20p

This unit on water quality in the Teeswater River is designed to introduce intermediate grade level students to water quality data collected from gauging stations along the river, the sources of water pollution, and the upstream-downstream concept. It is a useful tool in environmental studies, geography, mathematics, language arts, health, science, and social studies. Two simple activities using easily available materials are presented. The teacher is also provided with support materials including background information sheets, a word list, water quality data charts, and observation-related activity worksheets and answer sheets.

Availability: Available for interlibrary loan from OOFF under WACE number 00335; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

405 (092289)
Saugeen Valley Conservation Authority * **What is a watershed? Beatty Saugeen River** * Saugeen Valley Conservation Authority , Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Beatty Saugeen River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and functions of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Beatty Saugeen River area, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.

Availability: Available for interlibrary loan from OOFF under WACE number 00342; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

406 (092293)
Saugeen Valley Conservation Authority * **What is a watershed? Mill Creek** * Saugeen Valley Conservation Authority , Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Mill Creek watershed from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Mill Creek watershed, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.

Availability: Available for interlibrary loan from OOFF under WACE number 00338; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

407 (092291)
Saugeen Valley Conservation Authority * **What is a watershed? North Saugeen River** * Saugeen Valley Conservation Authority , Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to

construct topographic maps of the North Saugeen River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the North Saugeen River area, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00340; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

408 (092292)
Saugeen Valley Conservation Authority * **What is a watershed? Otter Creek** * Saugeen Valley Conservation Authority, Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Otter Creek watershed from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Otter Creek watershed, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00339; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

409 (092469)
Saugeen Valley Conservation Authority * **What is a watershed? Penetangore River** * Saugeen Valley Conservation Authority, Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Penetangore River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Penetangore River area, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00336; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

410 (092290)
Saugeen Valley Conservation Authority * **What is a watershed? Rocky Saugeen River** * Saugeen Valley Conservation Authority, Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Rocky Saugeen River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Rocky Saugeen River area, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00341; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (510) 364-6990

411 (092287)
Saugeen Valley Conservation Authority * **What is a watershed? South Saugeen River** * Saugeen Valley Conservation Authority, Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the South Saugeen River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the South Saugeen River, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00344; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

412 (092288)
Saugeen Valley Conservation Authority * **What is a watershed? Teeswater River** * Saugeen Valley Conservation Authority, Hanover, Ont * nd * vp

This teaching unit demonstrates to intermediate grade level students that natural resources are part of a local watershed system. Students are required to construct topographic maps of the Teeswater River from the enclosed puzzle pieces and to use their mathematical skills, map reading skills, and their knowledge of the local area. Students are also required to describe the parts and function of a local river system, the activities that take place within the local watershed, and the influence of natural resources on the types and location of activities, and to understand that the local watershed is part of a much larger one. Materials needed are readily available in the classroom and support materials provided include a master copy of maps of the Teeswater River area, background information sheets of local and Saugeen watersheds, worksheets, answer sheets, and a word list.
Availability: Available for interlibrary loan from OOFF under WACE number 00343; Also available at cost from the Saugeen Valley Conservation Authority, RR #1, Hanover, Ont N4N 3B8 (519) 364-1255, FAX (519) 364-6990

Conference Papers, Speeches

413 (091036)
CELONA, S.A. * **Westchester County's approach to public education and out-reach** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 1023-1024

A pilot water resources curriculum was developed for grades 3 to 5 students for Westchester County, New York. It explores subjects ranging from the water cycle to water conservation and includes demonstration projects and nonpoint pollution activities. Other water conservation public education and awareness activities of the Westchester County Water Agency are briefly described.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00077

Secondary Education

Reports

414 (079524)
University of Windsor, Great Lakes Institute * **Social sciences : volume II** (see entry number 459 for complete reference)

Teaching Guides

415 (091727)
ROBERTS, D.A.; MCLEAN, R.S.; MCLEOD, P.E. * **Separation of substances : a teacher's manual for general level program development, grade 9** * OISE Press, Toronto, Ont * 1981 * vp

This teacher's manual is designed to support general level, non-academic program development for intermediate or junior high school science on many aspects of water. The eight episodes, each requiring about two to three 40-minute periods, examine water quality and various water treatment techniques. Each episode contains a concise description of the contents, objectives and teaching essentials of the topic, as well as a detailed teaching approach. Separate teacher and student resource sheets to accompany the episodes are provided.
Library location: OONL

Junior High Schools

Teaching Guides

416 (091730)
BILLINGTON, C. (ed) * **Conservation education source books** (see entry number 398 for complete reference)

417 (092430)

Ecofriend : the Great Lakes education kit (see entry number 400 for complete reference)

Conference Papers, Speeches

418 (091036)
CELONA, S.A. * **Westchester County's approach to public education and out-reach** (see entry number 413 for complete reference)

High Schools

Teaching Guides

419 (092434)
Federation of Ontario Naturalists * **Acid deposition education kit** * Federation of Ontario Naturalists , Toronto, Ont * 1986-1991 * 1 kit (16 pieces) : 6 teacher's guides; 5 pamphlets; 1 report; 1 poster: blue & white, 62x35 cm; 1 poster: col, 96x51 cm; 1 poster: green & black, 80x52 cm; 1 poster: brown & black, 80x52 cm

This kit, recommended for use in grades 9 to 13, contains an extensive collection of material on acid deposition. A teacher's guide accompanies five teaching units on the nature of acid deposition, its effects on aquatic and terrestrial ecosystems, sources and distribution, and possible solutions to the problem. The units contain complete, well-illustrated lesson plans, student assignments, numerous hands-on experiments and activities, discussion topics, vocabulary, fact sheets, posters, and supplementary resources. Also contained in the kit are three wall posters, an Environment Canada publication on the extent of the acid rain problem in Canada, a federal parliamentary committee report on the need for urgent action to control acid rain in Canada, two Environment Ontario pamphlets on the effects of acid rain on Ontario's lakes, and a special reprint from Seasons magazine on observing the world of aquatic insects through a waterscope.

Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M3B 2W8 (416) 444-8419

420 (092433)
Federation of Ontario Naturalists * **Great Lakes education kit** * Federation of Ontario Naturalists , Toronto, Ont * 1989 * 1 kit (3 pieces) : 1 teacher's guide; 1 atlas; 1 serial

This Great Lakes education kit contains a teacher's guide, an environmental atlas and resource book, and a special issue of Seasons magazine. The kit is geared to high school geography, science and environmental science classes. The teacher's guide presents background information, supplementary questions for student review, and suggested group and individual activities on six units. These are: overview of the Great Lakes, abiotic and biotic characteristics, social and economic aspects, chemical pollution, and conserving the ecosystem. The atlas and resource book examines through colourful illustrations the geology, lake levels, and wetland habitats of the Great Lakes to appreciate this complex ecosystem. The magazine focuses on the evolution of the Lakes, human health issues, water quality deterioration, and rehabilitation efforts, and offers a guide to the Great Lakes natural heritage.

Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M3B 2W8 (416) 444-8419

421 (091029)
REID, R. * **Great Lakes teacher's guide** * Federation of Ontario Naturalists , Don Mills, Ont * 1988? * 75p

This teacher's guide is designed to allow teachers to make use of Great Lakes topics within the existing curriculum guidelines of the Ontario Ministry of Education. The material presented is geared to fit logically within courses under the intermediate and senior divisions guidelines for science or geography, particularly Grades 10-12 and OAC. Materials are arranged in six units: an overview of the Great Lakes, abiotic and biotic characteristics, social and economic aspects, toxic chemical pollution, and conserving the ecosystem. As well as providing background information, supplementary questions for student review, and suggested group and individual activities, each unit has attitude, skill, and knowledge objectives defined.

Library location: OOFF

Availability: Available for interlibrary from OOFF under WACE number 00089

Journal Articles

422 (092440)
CUNDIFF, B. * **Reading, writing and the environment : environmental science gives students the chance to explore the environment and their role in it** * In: Seasons * Federation of Ontario Naturalists * Fall 1989 * 29(3) 16-19

This article examines the teaching of environmental education in Ontario's high schools. Improved science curricula, interested parents and teachers, and groups active in environmental education, are all contributing to greater environmental awareness among high school students. However, the importance of environmental education has to be recognized and promoted to increase the number of schools where it is being taught.

Availability: Available for interlibrary loan from OOFF under WACE number 00197

Elementary Secondary Education

Posters, Charts

423 (091751)
Ontario Ministry of Natural Resources ; Federation of Ontario Naturalists * **Life in an Ontario wetland** * Ontario Ministry of Natural Resources , Toronto, Ont ; Federation of Ontario Naturalists , Don Mills, Ont * nd * 1 poster : col, 86x56 cm

This wall colour poster features over 20 common wetland species in Ontario including marsh wren, great blue heron, pied-billed grebe, blue-winged teal, American coot, king rail, Blandings turtle, six-spotted fishing spider, and muskellunge. Descriptive information on each species accompanied by current range maps are on the back. This poster is suitable for elementary and secondary school classrooms.

Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M2B 2W8 (416) 444-8419

Primary Education

Fact Sheets, Brochures, Leaflets

424 (091765)
Ontario Environment * **Envo says : here are some interesting facts about water** * Environment Ontario , Toronto, Ont * 1990? * 4p

This fact sheet, suitable for students in the primary grades, teaches children some interesting and important facts about water, acid rain, and aquatic life.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00208; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

Intermediate Grades

Fact Sheets, Brochures, Leaflets

425 (091767)
Environment Ontario * **Environment Ontario water programs** = Environnement Ontario et la protection des eaux (see entry number 322 for complete reference)

426 (091745)
Ontario Federation of Anglers & Hunters * **Wetlands are wonderful!** * Ontario Federation of Anglers & Hunters , Peterborough, Ont * nd * 7p

This leaflet provides intermediate and junior high school students with a look at how Ontario's wetlands are important to the environment. Fens, marshes, swamps, and bogs are described focusing on their use as wildlife habitats. Suggestions on how an individual can play an active role in the conservation of these ecosystems are presented.

Availability: Available for interlibrary loan from OOFF under WACE number 00223; Also available from Ontario Federation of Anglers & Hunters, PO Box 28, Peterborough, Ont K9J 6Y5 (705) 748-6324

Secondary Education

Atlases

427 (072789)
Environment Canada, Conservation and Protection, Ontario Region ; United States Environmental Protection Agency, Great Lakes National Program Office ; Brock University, Institute of Urban and Environmental Studies ; Northwestern University, Center for Urban Affairs and Policy Research * **The Great Lakes : an environmental atlas and resource book** * Environment Canada, Conservation and Protection, Ontario Region , Toronto, Ont ; US Environmental Protection Agency, Great Lakes National Program Office , Chicago, IL, US * 1988 * ii, 44p

This book describes the physical characteristics of the Great Lakes Basin, highlights the stages in its development and reviews the evolution of the management of the area. A discussion of the natural processes affecting the basin deals with geology, climate, the hydrological cycle, surface runoff, groundwater and lake levels with special attention given to the wetlands which form an integral part of the Great Lakes ecosystem. In a review of development within the Great Lakes Basin, consideration is given to the effects of industrialization, urbanization and to major diversion proposals. Concerns relating to water pollution problems that have evolved in the Great Lakes are discussed as well as both remedial and preventive measures which have been implemented. A discussion of the evolution of the ecosystem approach to the joint management of the Great Lakes by Canada and the United States covers related agreements that have been signed by the two countries from the Boundary Water Treaty of 1909 to

the present day Great Lakes Water Quality Agreement. Included is a folio map sheet of the Great Lakes Basin (scale 1:250,000) entitled "Ecoregions, drainage and urban areas" which summarizes ecoregion characteristics. Inserts on the map present information under the following headings: recreation and sport; frost free periods and air masses; precipitation and snowbelt areas; land use, fisheries and erosion; waterborne commerce; winter temperatures and ice conditions; summer temperature; and pollution sources and trophic status.
Library location: OOFF
Availability: Available from Conservation and Protection, Ontario Region, Great Lakes Environmental Program, Environment Canada, 25 St Clair Ave E, Toronto, Ont M4T 1M2

Books, Booklets

428 (091781)
Environment Canada * **Clean waters : toward a healthy Great Lakes - St. Lawrence ecosystem** (see entry number 298 for complete reference)

429 (091811)
Metropolitan Toronto and Region Conservation Authority * **Conservation : questions and answers** (see entry number 299 for complete reference)

430 (091793)
Ontario Ministry of the Environment * **The Great Lakes : yesterday, today & tomorrow** (see entry number 302 for complete reference)

431 (091825)
COOPER, K. ; MILLYARD, K. * **The Great Lakes primer** (see entry number 303 for complete reference)

432 (087682)
SCOTT, S. ; VEZINA, R. ; WEBB, M. * **The St. Lawrence River : its economy and environment** (see entry number 307 for complete reference)

433 (091748)
Ontario Ministry of the Environment, Information Services Branch * **The water story** (see entry number 309 for complete reference)

Fact Sheets, Brochures, Leaflets

434 (091729)
KOCI, R. ; MUNCHEE, D. * **About the history of water treatment : Ontario's quest for clean water** (see entry number 312 for complete reference)

435 (091770)
Environment Ontario * **Countdown acid rain : acidification - warning signs** (see entry number 319 for complete reference)

436 (091769)
Environment Ontario * **Drinking water** = L'eau potable (see entry number 320 for complete reference)

437 (091767)
Environment Ontario * **Environment Ontario water programs** = Environnement Ontario et la protection des eaux (see entry number 322 for complete reference)

438 (091025)
Ottawa River Regulation Planning Board * **Managing the waters of the Ottawa River** = Gestion des eaux de la rivière des Outaouais (see entry number 336 for complete reference)

Posters, Charts

439 (091752)
Federation of Ontario Naturalists * **A healthy lake ecosystem** * Federation of Ontario Naturalists , Don Mills, Ont * 1986 * 1 poster : green and black, 81x53 cm

This colour wall poster shows 39 inhabitants in a healthy lake ecosystem. These are identified by number in a small diagram on the poster which also shows the direction of energy flow in the ecosystem.
Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M3B 2W8 (416) 444-8419

Junior High Schools

Fact Sheets, Brochures, Leaflets

440 (091745)
Ontario Federation of Anglers & Hunters * **Wetlands are wonderful!** (see entry number 426 for complete reference)

High Schools

Fact Sheets, Brochures, Leaflets

441 (091783)
Ontario Ministry of the Environment * **Countdown acid rain : about acidic precipitation and the need for remedial action** (see entry number 318 for complete reference)

Audiovisual Material

442 (091754)
Federation of Ontario Naturalists * **Why wetlands?** * Federation of Ontario Naturalists, Don Mills, Ont * 1988 * 1 videocassette (30 min) : sd, col, VHS

This video is designed for senior level students and the general public. It takes the viewer into wetland environments and illustrates the biological, hydrological, economical, and cultural significance of these vital resources. It also brings decision makers into the classroom to discuss the problems and solutions to wetland conservation. By focusing on some of the positive measures being taken, the video demonstrates that the solutions do exist, and attempts to create the well-informed and motivated public necessary for successful action.

Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M3B 2W8 (416) 444-8419

Postsecondary Education

Atlases

443 (072789)
Environment Canada, Conservation and Protection, Ontario Region ; United States Environmental Protection Agency, Great Lakes National Program Office ; Brock University, Institute of Urban and Environmental Studies ; Northwestern University, Center for Urban Affairs and Policy Research * **The Great Lakes : an environmental atlas and resource book** (see entry number 427 for complete reference)

Books, Booklets

444 (093251)
WELLER, P. * **Fresh water seas : saving the Great Lakes** (see entry number 301 for complete reference)

Directories, Catalogues

445 (083183)
International Joint Commission, Great Lakes Regional Office ; International Joint Commission, Great Lakes Regional Office * **Directory of Great Lakes education material**. - Third edition (see entry number 388 for complete reference)

Books, Booklets

446 (091748)
Ontario Ministry of the Environment, Information Services Branch * **The water story** (see entry number 309 for complete reference)

Fact Sheets, Brochures, Leaflets

447 (091783)
Ontario Ministry of the Environment * **Countdown acid rain : about acidic precipitation and the need for remedial action** (see entry number 318 for complete reference)

448 (092258)
Saugeen Country Tourism Association * **Saugeen River canoe route** (see entry number 344 for complete reference)

449 (091745)
Ontario Federation of Anglers & Hunters * **Wetlands are wonderful!** (see entry number 426 for complete reference)

Guides - Non-Classroom Use

450 (092432)
Federation of Ontario Naturalists * **Introducing wetlands** * Federation of Ontario Naturalists , Don Mills, Ont * 1990 * 1 kit (8 pieces) : 1 handbook; 1 poster: col, 86x56 cm; 1 poster: b&w, 96x63 cm; 4 pamphlets; 1 serial

This educational and activity-oriented resource kit on Ontario's wetlands is intended for youth groups, camps, and families. It includes games, crafts, puzzles, posters, drama ideas, and outdoor skills and activities to help teach young people about the importance of wetland conservation. The kit features information on how to attract birds in winter, guides to building a bird house, an aquarium, and a terrarium, and a guide to wetland hikes and animal tracking. A special issue of Seasons magazine and field checklists on reptiles, amphibians and birds are also included. Life in an Ontario wetland is highlighted in a colour wall poster and a wall doodle poster.
Availability: Available at cost from the Federation of Ontario Naturalists, 355 Lesmill Road, Don Mills, Ont M3B 2W8 (416) 444-8419

Serials, Journals

451 (091810)
International Joint Commission, Great Lakes Regional Office * **Focus on International Joint Commission activities** (see entry number 362 for complete reference)

452 (091749)
Grand River Conservation Authority * **On the Grand** (see entry number 366 for complete reference)

Journal Articles

453 (091776)
WALMSLEY, S. * **Adopt a stream** * In: Seasons * Summer 1980 * 20(2) 22-25, 48

This article discusses the efforts of Save Our Streams Inc (SOS) in rehabilitating Ontario's waterways through its "Adopt a Stream" program whereby groups and individuals are responsible for the care and rehabilitation of a damaged stream. The program is based on a four-phase continuing care concept which includes assessment, planting grasses, shrubs and trees along the banks for stabilization, installing streamside structures to control erosion, and ongoing maintenance and surveillance.
Availability: Available for interlibrary loan from OOFF under WACE number 00191

454 (091774)
PARSONS, J. * **Greening at the water's edge** (see entry number 376 for complete reference)

Creative Works (Literature, Cartoons ...)

455 (091798)
ATTFIELD, P. * **Balancing the global water budget** (see entry number 393 for complete reference)

456 (091800)
ATTFIELD, P. * **Splashdance** (see entry number 394 for complete reference)

457 (091797)
ATTFIELD, P. * **The water-totter** (see entry number 395 for complete reference)

Audiovisual Material

458 (091754)
Federation of Ontario Naturalists * **Why wetlands?** (see entry number 442 for complete reference)

Reports

459 (079524)
University of Windsor, Great Lakes Institute * **Social sciences : volume II** * In: A case study of selected toxic contaminants in the Essex Region : final report * Great Lakes Institute, University of Windsor , Windsor, Ont * 30 Apr 1986 * xvii, approx 100p

Reports of task groups dealing with benefit-cost analysis, political analysis, and public awareness are presented. The benefit-cost analysis reviews the economic theory of environmental pollution and develops models of the effects of various policies with regard to environmental contaminants. The political analysis report focuses on characteristics and trends of environmental policy in both Canada and the United States and examines Canadian-American environmental relations. Results of six public opinion surveys conducted in Michigan and Ontario are summarized. The report of the public awareness task group emphasizes the need for public awareness at the elementary and secondary school levels and the need to produce and promote instructional materials. A series of instructional modes are outlined which have been incorporated into a teaching kit entitled "Toxic substances in the Great Lakes".
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00253

460 (093221)
Public Focus * **Visions 2020 : students across Ontario respond positively to the challenges set out by the World Commission on Environment and Development by preparing a vision statement for Ontario in the year 2020** * Public Focus , Toronto, Ont * 1991? * 22p

Visions 2020, a program which can involve up to 10, 000 high school students across Ontario in responding to the challenges set out by the World Commission on Environment and Development, is described. Students are introduced to the concept of sustainable development. In preparing their vision statement which can be presented to political, industry and non-government organization leaders, the students will develop skills in long-range planning, environmental assessment, and democratic decision-making. The program is designed to complement a variety of topics in the curriculum. Details of the program, including sponsorship, costs, and work plan, are presented.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00433; Also available from Public Focus, 92 Shaftesbury Ave, Toronto, Ont M4T 1A5 (416) 975-9463, FAX (416) 323-9959

Serials, Journals

461 (091810)
International Joint Commission, Great Lakes Regional Office * **Focus on International Joint Commission activities** (see entry number 362 for complete reference)

462 (092444)
Thames River Implementation Committee ; Upper Thames River Conservation Authority * **Talk of the Thames** (see entry number 367 for complete reference)

Journal Articles

463 (069505)
CHRISTIE, W.J. ; BECKER, M. ; COWDEN, J.W; VALLENTYNE, J.R. * **Managing the Great Lakes basin as a home** (see entry number 752 for complete reference)

Books, Booklets

464 (087682)
SCOTT, S. ; VEZINA, R. ; WEBB, M. * **The St. Lawrence River : its economy and environment** (see entry number 307 for complete reference)

Descriptive Reports

465 (091836)
YEE, P. ; EDGETT, R. ; EBERHARDT, A. * **Great Lakes-St. Lawrence River regulation : what it means and how it works**. - First edition (see entry number 310 for complete reference)

Fact Sheets, Brochures, Leaflets

466 (091025)
Ottawa River Regulation Planning Board * **Managing the waters of the Ottawa River** = Gestion des eaux de la rivière des Outaouais (see entry number 336 for complete reference)

467 (091812)
Environment Canada, Conservation and Protection, Quebec Region, St Lawrence Centre * **Objective : cleanup : the 50 industrial plants targeted for priority action** * St Lawrence Centre, Conservation and Protection, Environment Canada, Quebec Region , Montreal, Que * May 1990 * 6p * 2 maps : scales vary

This fact sheet gives an overall picture of the 50 industrial plants targeted by the St Lawrence Action Plan. These plants are considered to be the biggest producers of toxic waste being discharged into the St Lawrence and Saguenay rivers. The St Lawrence Action Plan aims to ensure that industrial uses do not compromise the drinking water supply, consumption of fish caught in the St Lawrence River, and water sports. A colour map illustrates the many uses of the St Lawrence River.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00282; Also available free from Knowledge of the State of the Environment Branch, St Lawrence Centre, Conservation and Protection, Environment Canada, 105 McGill St, 4th floor, Montreal, Que H2Y 2E7 (514) 283-7000

468 (091723)
Environment Canada, St Lawrence Centre * **The St. Lawrence River : its uses and its environment** (see entry number 472 for complete reference)

469 (091813)
Environment Canada, Conservation and Protection, Quebec Region, St Lawrence Centre * **Toxics in the St. Lawrence : an invisible, but real threat** * St Lawrence Centre, Conservation and Protection, Environment Canada, Quebec Region , Montreal, Que * June 1990 * 8p

This fact sheet provides the public with information on the main toxic substances, including PCBs, PAHs, dioxins, and furans found in the St Lawrence River. The sources, behaviour, environmental effects, and path of these pollutants, are described. Also discussed is increased government intervention through the St Lawrence Action Plan designed to combat water quality degradation.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00281; Also available free from Knowledge of the State of the Environment Branch, St Lawrence Centre, Conservation and Protection, Environment Canada, 105 McGill St, 4th floor, Montreal, Que H2Y 2E7 (514) 283-7000

Journal Articles

470 (090034)
CORELLI, R. ; HARROLD, M. * **A river of history : whales are dying from poison** (see entry number 380 for complete reference)

Audiovisual Material

471 (093231)
Environment Canada * **The St. Lawrence River : a living heritage** (see entry number 385 for complete reference)

Maps

472 (091723)
Environment Canada, St Lawrence Centre * **The St. Lawrence River : its uses and its environment** * Conservation & Protection, Environment Canada * 1990 * 7p

The extent and causes of water pollution in the St Lawrence River are outlined in this public information folder. A colour map of the river highlights sedimentation zones, currents in the estuary, commercial fishing areas, priority action industrial zones, drinking water intakes, and water quality ranging from bad to good. Federal and provincial governmental initiatives to clean up the pollution are discussed.
Availability: Available for interlibrary loan from OOFF under WACE number 00176

Posters, Charts

473 (093263)
Geography Department of l'Université Laval * **The St. Lawrence : gateway to a continent, settlement (17th-18th centuries)** * In: Environmental Atlas of the St Lawrence. Human Environment * St Lawrence Centre, Environment Canada ; Université Laval * 1991 * 6p

This folder illustrates the European settlements along the St Lawrence River during the 17th and 18th centuries. The river originally encouraged trade of fish and furs, and favoured the establishment of a rural population. It also allowed exploration of the continent. On the other hand, the wildlife began already to be threatened and sanitation problems appeared in the cities.
Library location: QMENV
Availability: Available free from Knowledge of the State of the Environment Branch, St Lawrence Centre, Environment Canada, 105 McGill Street, 4th floor, Montreal, Que H2Y 2E7 (514) 283-7000

474 (092259)
Université Laval, Geography Department ; Environment Canada, St Lawrence Centre * **Wetlands, habitats on the edge of land and water** * In: Environmental Atlas of the St Lawrence. Natural Environment * Environment Canada, St Lawrence Centre , Montreal, Qc * 1991 * 6p

The wetlands of the St Lawrence River as a prime habitat for over 100 species of birds, 50 species of fish, and several small mammals, are graphically illustrated in this wall poster. Wetland sites along the river, vegetation, the productivity of the wetlands, ecosystems, diversified habitats for many forms of wildlife, the St Lawrence River as a major stop for the greater snow goose and a refuge for the muskrat, and the biological deterioration of the wetlands, are discussed.
Library location: QMENV
Availability: Available for interlibrary loan from OOFF under WACE number 00329; Also available free from Knowledge of the State of the Environment Branch, Conservation and Protection, St Lawrence Centre, Environment Canada, 105 McGill St, 4th fl, Montreal, Que H2Y 2E7 (514) 283-7000

Intermediate Grades

Instructional Material

475 (091054)
OUELLET, D. * **Let's explore together** * Environment Canada, Quebec Region * 1984 * vp

A talking butterfly observes changes in the environment as he travels throughout the countryside and in the city. Geared to the intermediate grades, this brightly-illustrated story highlights the changing landscape through conversations with a farmer, a fisherman and a city dweller. Changes include acid rain and its effect on water quality and fish, the use of pesticides and draining marshes in agriculture, and the increasing pollution of city air. The underlying theme is that man views air, soil and water as being limitless resources. An environment test designed to give helpful hints on ways to improve the quality of the environment, is also included.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00114

Secondary Education

Books, Booklets

476 (087682)
SCOTT, S.; VEZINA, R.; WEBB, M. * **The St. Lawrence River : its economy and environment** (see entry number 307 for complete reference)

Fact Sheets, Brochures, Leaflets

477 (091025)
Ottawa River Regulation Planning Board * **Managing the waters of the Ottawa River** = Gestion des eaux de la rivière des Outaouais (see entry number 336 for complete reference)

478 (091723)
Environment Canada, St Lawrence Centre * **The St. Lawrence River : its uses and its environment** (see entry number 472 for complete reference)

Instructional Material

479 (091724)
Ministère de l'Environnement du Québec, Division de l'éducation * **Acid precipitation or what goes up must come down** * Direction des communications et de l'éducation, Ministère de l'Environnement du Québec, Sainte-Foy, Que * 1987? * 18p

This publication, intended for secondary school students, examines the nature and causes of acid precipitation, its effects on the environment and ways it can be controlled and prevented. Some simple experiments on how to measure the pH of rain or snow and other familiar liquids are provided.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00177; Also available from Direction des communications et de l'éducation, Ministère de l'Environnement du Québec, 3900, rue Marly, 6e étage, Sainte-Foy, Qué G1X 4E4 (418) 643-8806

Maps

480 (091723)
Environment Canada, St Lawrence Centre * **The St. Lawrence River : its uses and its environment** (see entry number 472 for complete reference)

Posters, Charts

481 (093263)
Geography Department of l'Université Laval * **The St. Lawrence : gateway to a continent, settlement (17th-18th centuries)** (see entry number 473 for complete reference)

482 (092259)
Université Laval, Geography Department ; Environment Canada, St Lawrence Centre * **Wetlands, habitats on the edge of land and water** (see entry number 474 for complete reference)

Postsecondary Education

Posters, Charts

483 (093263)
Geography Department of l'Université Laval * **The St. Lawrence : gateway to a continent, settlement (17th-18th centuries)** (see entry number 473 for complete reference)

484 (092259)
Université Laval, Geography Department ; Environment Canada, St Lawrence Centre * **Wetlands, habitats on the edge of land and water** (see entry number 474 for complete reference)

Fact Sheets, Brochures, Leaflets

485 (091812)
Environment Canada, Conservation and Protection, Quebec Region, St Lawrence Centre * **Objective : cleanup : the 50 industrial plants targeted for priority action** (see entry number 467 for complete reference)

486 (091813)
Environment Canada, Conservation and Protection, Quebec Region, St Lawrence Centre * **Toxics in the St. Lawrence : an invisible, but real threat** (see entry number 469 for complete reference)

Posters, Charts

487 (093263)
Geography Department of l'Université Laval * **The St. Lawrence : gateway to a continent, settlement (17th-18th centuries)** (see entry number 473 for complete reference)

488 (092259)
Université Laval, Geography Department ; Environment Canada, St Lawrence Centre * **Wetlands, habitats on the edge of land and water** (see entry number 474 for complete reference)

Books, Booklets

489 (090746)
Environment Canada, Atlantic Region * **In our own backyard : toxic chemicals in Atlantic Canada** * Atlantic Region, Environment Canada , Dartmouth, NS * nd * 11p

This pamphlet provides public information on toxic chemicals specific to Atlantic Canada. It explains exactly what toxic chemicals are and gives examples. It tells how they enter the environment, what they do to the environment, and what is being done about this problem. It also shows how the ordinary citizen can reduce the amount of toxic chemicals entering the environment through proper handling and disposal of such chemicals as pesticides, fuels, and wood preservatives, and how to reduce their use.

Library location: NBFU
Availability: Available for interlibrary loan from OOFF under WACE number 00110

490 (090740)
Committee of Atlantic Environment Ministers * **Our coastal environment** * Committee of Atlantic Environment Ministers * 1978 * 32p

This pamphlet provides information on the coastal environment of Atlantic Canada. It shows the interrelationships of the various ecosystems that make up the whole coastal zone. These include the sand dunes, salt marshes, rivers, the ocean, and all the animal and plant life they contain. A balance must be maintained between protecting these renewable resources for our own use while at the same time preserving and protecting the natural functions of a vitally important ecosystem.

Library location: NSDE
Availability: Available for interlibrary loan from OOFF under WACE number 00109

491 (081559)
Environment Canada, Inland Waters Directorate, Committee of Atlantic Environment Ministers * **Our fresh water resources** * Inland Waters Directorate, Environment Canada , Dartmouth, NS * 1982 * 35p

This booklet describes the inland water resources of Atlantic Canada and gives a basic understanding of what water is, how it is used, and how it could be managed to ensure an abundant, safe and lasting supply. Specific topics addressed include water use, groundwater, water quality, water pollution, pollution sources, floods, water resources management, watershed planning and water management.

Library location: NSDE
Availability: Available for interlibrary loan from OOFF under WACE number 00023

Fact Sheets, Brochures, Leaflets

492 (091048)
Environment Canada, Conservation and Protection * **Effects of acid rain on Atlantic Canada's inland waters** * Conservation and Protection, Environment Canada, Atlantic Region , Dartmouth, NS * 1988 * 6p

The extent of the acid rain problem in Atlantic Canada is described in this fact sheet aimed at the general public. Elements of the acidification process in the Atlantic region's lakes and rivers are explained. Continued emission reduction is expected to result in further improvement particularly in the lakes that are presently in the sensitive phase.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00129

493 (091061)
Environment Canada, Conservation and Protection * **Groundwater in Atlantic Canada** = Les eaux souterraines de la région de l'Atlantique * Conservation and Protection, Environment Canada * 1987 * 4p

This brochure contains some basic facts about groundwater and its importance to Atlantic Canada. How groundwater is threatened, what is being done to protect aquifers and what the individual can do to help safeguard this resource, are addressed.

Availability: Available for interlibrary loan from OOFF under WACE number 00130

494 (092617)
Environment Canada, Inland Waters Directorate * **Surface water and acidification in Atlantic Canada** * Environment Canada, Inland Waters Directorate , Ottawa, Ont * 1991? * 6p

This leaflet shows that the Atlantic provinces are well within high loading zones of atmospheric acids. Since they are subject to rapid snowmelt in the spring, the threat of surface water acidification is real and persistent. The physical inventory of surface water bodies was realized with satellite imagery and state-of-the-art geographic information systems. This inventory enables the identification of surface water resources at risk because of acidification by assessing how many water bodies lie within terrain having a low potential to reduce acidity. The leaflet shows, for

each province, the distribution of water bodies according to their sensitivity to acidification.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00371; Also available free from the Enquiry Centre, Environment Canada, Ottawa, Ont K1A 0H3 (819) 997-2800 (Toll Free) 1-800-668-6767, FAX (819) 953-2225

Guides

495 (091059)
Environment Canada, Atlantic Region, Departmental Communications Unit * **What Atlantic Canadians can do for their environment : hundreds of things individuals can do now**. - First edition * Environment Canada, Atlantic Region , Dartmouth, NS * Jan 1989 * 50p

This booklet presents concrete suggestions on ways Atlantic Canadians can protect their environment. Areas covered include water conservation, wildlife conservation, air pollution control, acid rain, hazardous waste disposal, ozone depletion, toxic chemicals disposal, energy conservation, and land pollution. The activities can be carried out at home, in the yard, while shopping, at work, in and around the car, in the outdoors, at school, as a group, or as a concerned individual. The water tips focus on conserving water in the kitchen, bathroom, and laundry room.
Library location: OOFF
Availability: Available free from the Publications Officer, Departmental Communications Unit, Environment Canada, Atlantic Region, 15th floor, Queen Square, 45 Alderney Drive, Dartmouth, NS B2Y 2N6 (902) 426-7990

Elementary Secondary Education

Serials, Journals

496 (091728)

Memorial University of Newfoundland, Whale Research Group * **Eau Canada : a newsletter for Canadian marine educators** * Whale Research Group, Memorial University of Newfoundland , St John's, Nfld * 01 Oct 1985- * 1(2)-

This is a quarterly newsletter for marine educators and those interested in marine education. It is of particular interest to teachers of elementary and secondary students as it contains information on available resource materials and kits, new publications, special interest articles, games and puzzles. Upcoming events and conferences on marine environmental education for teachers are also noted.

Availability: Selected issues available for interlibrary loan from OOFF under WACE number 00153

Elementary Secondary Education

Guides

497 (091059)
Environment Canada, Atlantic Region, Departmental Communications Unit • **What Atlantic Canadians can do for their environment : hundreds of things individuals can do now.** - First edition (see entry number 495 for complete reference)

Secondary Education

Books, Booklets

498 (090740)
Committee of Atlantic Environment Ministers • **Our coastal environment** (see entry number 490 for complete reference)

499 (081559)
Environment Canada, Inland Waters Directorate, Committee of Atlantic Environment Ministers • **Our fresh water resources** (see entry number 491 for complete reference)

Fact Sheets, Brochures, Leaflets

500 (091048)
Environment Canada, Conservation and Protection • **Effects of acid rain on Atlantic Canada's inland waters** (see entry number 492 for complete reference)

501 (092617)
Environment Canada, Inland Waters Directorate • **Surface water and acidification in Atlantic Canada** (see entry number 494 for complete reference)

Postsecondary Education

Fact Sheets, Brochures, Leaflets

502 (092617)
Environment Canada, Inland Waters Directorate • **Surface water and acidification in Atlantic Canada** (see entry number 494 for complete reference)

Guides

503 (091059)
Environment Canada, Atlantic Region, Departmental Communications Unit • **What Atlantic Canadians can do for their environment : hundreds of things individuals can do now**. - First edition (see entry number 495 for complete reference)

Books, Booklets

504 (080557)
Environment Canada, Conservation and Protection ; New Brunswick Department of Municipal Affairs and Environment, Water Resource Planning Branch **• Floodproofing : protect your home against flooding** = La protection contre les inondations : comment protéger votre maison • Environment Canada, Conservation and Protection , Dartmouth, NS ; New Brunswick Department of Municipal Affairs and Environment, Water Resource Planning Branch , Fredericton, NB • 1989 • 17p

This booklet was designed to help residents of New Brunswick to select the most appropriate floodproofing methods for their needs. It is an overview of the various types of floodproofing measures available. The methods outlined here are best suited for buildings and property located along the fringe of a floodway, where the water flows slowly and is shallow. Permanent floodproofing measures include elevation on fill or on piers and columns, closures and sealants, floodwalls and berms. Contingency floodproofing measures include flood shields, watertight doors and wet floodproofing. Emergency floodproofing measures consist of sandbag dykes and temporary walls. The booklet also gives advice on floodproofing building services, and provides a table on how to select floodproofing methods. There is also information on how to proceed, and on the objectives of the Flood Damage Reduction Program in New Brunswick.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00277

Journal Articles

505 (090040)
NICHOLS, M. ; TUNNEY, M. • **One city's water problem : a community copes with toxins** • In: Maclean's • 15 Jan 1990 • p41

The chemical benzo(a)pyrene, a polyaromatic hydrocarbon which causes cancer, was found in two wells in Newcastle, New Brunswick, located less than 1 km from Domtar Inc, a wood-treating plant. This article explains how and why Domtar is responsible for the polluted water, its cleanup operations, and the costs and problems of supplying an alternate water supply.

Availability: Available for interlibrary loan from OOFF under WACE number 00057

Books, Booklets

506 (091773)
Nova Scotia Department of the Environment, Resource Management and Pollution Control Division * **Before you construct a water well : facts a homeowner should know before hiring a water well contractor**. - Revised edition * Nova Scotia Department of the Environment, Resource Management and Pollution Control Division , Halifax, NS * Jan 1990 * 21p

This pamphlet advises the Nova Scotia homeowner on some of the important facts to consider and investigate before he hires a water well contractor. The principles of water well construction including types of materials to use and how to prevent contamination are explained. Helpful suggestions on well construction are presented to acquaint the homeowner with details of what makes a good drilled well.

Library location: NSHL

Availability: Available for interlibrary loan from OOFF under WACE number 00188; Also available free from Nova Scotia Dept of the Environment, PO Box 2107, Halifax, NS B3J 3B7

507 (090739)
Nova Scotia Department of Mines and Energy * **Hot water answers : how to heat and use it efficiently** * Nova Scotia Department of Mines and Energy , Halifax, NS * 1989 * 14p

This public information pamphlet provides tips on how to use hot water more efficiently in the home. Water heating costs can be substantially lowered through adjusting the water temperature to the lowest possible setting that provides sufficient hot water, using low-flow shower heads, insulating tanks and pipes, cleaning and maintaining water heaters regularly, and using swimming pool blankets and covers.

Library location: OONL

Availability: Available for interlibrary loan from OOFF under WACE number 00104

508 (091789)
MUECKE, A. * **Water, water, everywhere...? Protecting the municipal water supply in Nova Scotia**
(see entry number 513 for complete reference)

Evaluative Reports

509 (089537)
Task Force on Clean Water * **Minister's Task Force on Clean Water : interim report : what you told us - a summary of public input** * Nova Scotia Department of the Environment , Halifax, NS * Nov 1990 * 30p

A Task Force on Clean Water was established in June 1989 by the Minister of the Nova Scotia Department of the Environment to develop a new water resource management strategy by reviewing and defining policies to manage surface water and groundwater resources. The Task Force was to examine water quality, water and land use planning, socio-economic concerns, institutional arrangements and public information and education. This interim report of the Task Force describes the existing situation with respect to water quality, quantity and management in Nova Scotia, summarizes statements from Nova Scotians about water and lists the policy and program suggestions extracted from the public meetings and presentations that have been held to date.

Library location: OON

Availability: Available for interlibrary loan from OOFF under WACE number 00274

Fact Sheets, Brochures, Leaflets

510 (080269)
Environment Canada, Conservation and Protection * **Flooding in Nova Scotia : an overview : 1759-1986** * Environment Canada, Conservation and Protection, Inland Waters Directorate , Dartmouth, NS * 1989 * 8p

This report is a summary of available information regarding the causes, magnitude and other identifiable characteristics associated with floods in Nova Scotia during the period 1759-1986. A history of flooding, flood frequency, main areas of the province affected by the major recorded flood events, times of the year for increased risk of flooding, economic consequences of flooding, and human costs of flooding, are described. The report concludes that flooding continues to be a destructive and costly problem in Nova Scotia.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00273

Journal Articles

511 (090750)
HOUGAN, G. * **Quest for pure water** * In: Alternatives * 1990 * 17(3) 9-11

This article comments on the public's perceptions of the quality of bottled water versus tap water. Becausing of the increasing fears about the quality of tap water, consumers are using more bottled water and water treatment devices. However, doubts exist about the quality of bottled water. Previous tests have found contaminants such as harmful levels of chemicals and minerals in samples of bottled spring water. The pros and cons of home use water treatment devices are also discussed. Better municipal treatment and pollution abatement are seen as a more efficient and equitable solution to achieving better tap water quality.

Availability: Available for interlibrary loan from OOFF under WACE number 00100

Secondary Education

Teaching Guides

512 (091022)
HUTCHESON, M.; MAASS, O.; ROOTS, J.; WALTERS, B.; COTE, R. * **Teaching ideas on the environment : a guide to topics for discussion and audio-visual materials readily available in Halifax/Dartmouth to N.S. teachers** * 1988 * 8p

This teacher's guide is designed to stimulate high school classroom discussion of the major issues in Our common future, the report of the World Commission on Environment and Development (Brundtland report). It is an annotated listing of audio-visual materials available free of charge to Nova Scotia teachers. The materials are grouped according to the policy areas emphasized in the report including population, food security, loss of species and genetic resources, energy, industry, and human settlements. Length, source, and level of suitability of the materials listed are included.
Availability: Available for interlibrary from OOFF under WACE number 00097

Books, Booklets

513 (091789)
MUECKE, A. * **Water, water, everywhere...? Protecting the municipal water supply in Nova Scotia** * Water Resources Issue Group, Nova Scotia Land Use Policy Committee , Halifax, NS * nd * 32p

This booklet, intended for municipal councillors, staff and interested local residents, explains why planning and protection are needed in water supply areas, and what tools can be used by municipalities in protecting their own drinking water quality. It examines where our water comes from, the water quality problems created by different land uses and activities, and how water supply areas can be managed more effectively.

Availability: Available for interlibrary loan from OOFF under WACE number 00156

Evaluative Reports

514 (089537)
Task Force on Clean Water * **Minister's Task Force on Clean Water : interim report : what you told us - a summary of public input** (see entry number 509 for complete reference)

Directories, Catalogues

515 (090619)
BROWN, M. (ed) ; HUFF, L. (ed) * **Prince Edward Island conservation directory : getting involved in conservation** * Inland Waters Directorate, Conservation and Protection, Environment Canada , Dartmouth, NS ; Fish and Wildlife Branch, Prince Edward Island Department of the Environment , Charlottetown, PEI * nd * 25p

This public information directory identifies some of the conservation activities on Prince Edward Island. It describes programs conducted by private conservation organizations, federal and provincial government agencies and academic institutions. A "Quick Guide" gives an overview of conservation activities and indicates the organizations involved in each activity. An alphabetical listing provides a brief description of each organization with a contact address and telephone number.

Availability: Available for interlibrary loan from OOFF under WACE number 00152; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

Fact Sheets, Brochures, Leaflets

516 (090624)
Environment Canada, Atlantic Region ; Prince Edward Island Department of Community & Cultural Affairs * **Coastal estuaries of Prince Edward Island** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 4p

This four-page fact sheet explores the nature of Prince Edward Island's estuaries, their economic importance, and the major environmental threats they face.

Availability: Available for interlibrary loan from OOFF under WACE number 00136; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

517 (090622)
Environment Canada, Atlantic Region ; Prince Edward Island Department of Community & Cultural Affairs * **Domestic sewage and septic systems on P.E.I.** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 4p

This four-page fact sheet examines the domestic sewage issue on Prince Edward Island, the major sewage systems available and some of the problems which arise from the improper disposal of wastes.

Availability: Available for interlibrary loan from OOFF under WACE number 00139; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

518 (088051)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Dunk-Wilmot Rivers Watershed : water-related activities** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of the Environment , Charlottetown, PEI * nd * 4p

This fact sheet describes the many uses of surface water in the Dunk-Wilmot Rivers Watershed. It focuses on the various water-related activities in the watershed and the relation of each activity to the quality and quantity of local surface water.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00140; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

519 (088050)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Hillsborough River Watershed : water-related activities** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of the Environment , Charlottetown, PEI * nd * 4p

This fact sheet describes the many uses of surface water in the Hillsborough River Watershed. It focuses on the various water-related activities in the watershed and the relation of each activity to the quality and quantity of local surface water.

Library location: OOFF

Availability: Available for interlibrary loan from OOFF under WACE number 00141; Also available free from PEI Water Education Materials, PEI

Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

520 (088048)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Land use and water management on Prince Edward Island** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of the Environment , Charlottetown, PEI * nd * 4p

This fact sheet discusses the impact of land use including agriculture, forestry, urban development, and industry, on the surface water resource of Prince Edward Island. Steps being taken to maintain and improve the quality and quantity of surface water resources on the Island are outlined.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00143; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

521 (088049)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Montague-Valleyfield Rivers Watershed : water-related activities** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of the Environment , Charlottetown, PEI * nd * 4p

This fact sheet describes the many uses of surface water in the Montague-Valleyfield Rivers Watershed. It focuses on the various water-related activities in the watershed and the relation of each activity to the quality and quantity of local surface water.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00142; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI (902) 368-5028

522 (090621)
Environment Canada, Atlantic Region ; Prince Edward Island Department of Community and Cultural Affairs * **P.E.I. groundwater : a prime source of concern** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 4p

This fact sheet provides a primer on Prince Edward Island's groundwater and describes some of the current threats to this fragile and invisible resource including agricultural chemicals, leaking gasoline and oil storage tanks, saltwater intrusion, and bacteria and viruses from malfunctioning septic tanks. The public is encouraged to help protect this resource and tips are presented on how this can be achieved.
Availability: Available for interlibrary loan from OOFF under WACE number 00138; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI (902) 368-5028

523 (090623)
Environment Canada, Atlantic Region ; Prince Edward Island Department of Community & Cultural Affairs * **Surface water on Prince Edward Island** * Environment Canada, Atlantic Region , Dartmouth, NS ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 4p

Prince Edward Island's ponds, rivers and streams help keep local economies afloat and draw thousands of outdoor enthusiasts every year. This four-page fact sheet looks at the major threats to the province's surface water and some of the steps being taken to protect this valuable resource.
Availability: Available for interlibrary loan from OOFF under WACE number 00137; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

524 (090613)
Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs, Water Resources Branch * **Water well construction : pilot project** * Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 5p

This brochure provides information on some of the causes of well contamination and advice on how to better protect your well. It also describes how to qualify for a pilot project to improve well construction methods being conducted by the PEI Department of Community & Cultural Affairs and Environment Canada, in cooperation with the PEI Well Drillers Association.
Availability: Available for interlibrary loan from OOFF under WACE number 00135

Audiovisual Material

525 (090616)
Prince Edward Island Department of the Environment * **Estuaries** * Prince Edward Island Department of the Environment ,Charlottetown, PEI * Dec 1989 * 1 videocassette (8 min, 6 sec) : sd, col, VHS

This video looks at the nature of PEI's productive coastal ecosystems, and their vital contribution to the livelihood of many Island residents - from aquaculture to tourism.
Availability: Available on loan from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

526 (090626)
Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs * **Protect your water resources** * nd * 1 videocassette (27 min) : sd, col, VHS

This video examines the threats to the surface water of Prince Edward Island. The causes and effects of soil erosion, water contamination and habitat loss are described. Stream rehabilitation and erosion control activities are major steps in the protection of the Island's water resources. The public is encouraged to get involved and stop further destruction. Suggestions are presented for the farmer, homeowner and tourist.
Availability: Available on loan from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

527 (090617)
Prince Edward Island Department of the Environment * **Water and the economy** * Prince Edward Island Department of the Environment , Charlottetown, PEI * Dec 1989 * 1 videocassette (12 min, 57 sec) : sd, col, VHS,

Where would the Island be without water? The province's fishing, farming and tourism industries all rely on a clean and plentiful supply of water to survive. This video explores the vital role water plays in PEI's economy - now and in the future.
Availability: Available on loan from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

Posters, Charts

528 (090620)
Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs * **Water : P.E.I.'s most precious resource** * Environment Canada , Dartmouth, NS ; Prince Edward Island Department of Community & Cultural Affairs , Charlottetown, PEI * nd * 1 poster : col, 62x22 cm

This full-colour poster provides a general overview of Prince Edward Island's water resources including the water found in the atmosphere, surface water, estuaries and groundwater. It also briefly describes the Canada-PEI Water Management Agreement and its Groundwater Resource Program, Inland Surface Water Program, Estuarine Water Resource Program, and Multi-Sectoral and Integrated Water Management Program.
Availability: Available for interlibrary loan from OOFF under WACE number 00134; Also available free from PEI Water Education Materials, PEI Department of the Environment, 11 Kent Street, PO Box 2000, Charlottetown, PEI C1A 7N8 (902) 368-5028

Secondary Education

Posters, Charts

529 (090620)
Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs * **Water : P.E.I.'s most precious resource** (see entry number 528 for complete reference)

Directories, Catalogues

530 (090619)
BROWN, M. (ed) ; HUFF, L. (ed) * **Prince Edward Island conservation directory : getting involved in conservation** (see entry number 515 for complete reference)

Fact Sheets, Brochures, Leaflets

531 (088051)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Dunk-Wilmot Rivers Watershed : water-related activities** (see entry number 518 for complete reference)

532 (088050)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Hillsborough River Watershed : water-related activities** (see entry number 519 for complete reference)

533 (088049)
Environment Canada, Atlantic Region ; Prince Edward Island Department of the Environment * **Montague-Valleyfield Rivers Watershed : water-related activities** (see entry number 521 for complete reference)

Audiovisual Material

534 (090616)
Prince Edward Island Department of the Environment * **Estuaries** (see entry number 525 for complete reference)

535 (090626)
Environment Canada ; Prince Edward Island Department of Community & Cultural Affairs * **Protect your water resources** (see entry number 526 for complete reference)

536 (090617)
Prince Edward Island Department of the Environment * **Water and the economy** (see entry number 527 for complete reference)

Audiovisual Material

537 (091038)
Tri-Media Production Services Ltd * **A friendly river?** * 1984 * 1 videocassette (12 min, 23 sec) : sd, col, VHS

The 1983 flooding in the Exploits River basin, particularly around the community of Bishops Falls is depicted using CBC News video, staff video and stills. This program refers also to the flooding in the Gander River basin. It outlines the steps taken to rebuild the damaged areas after the waters had receded and shows the area one year after the rivers had reverted back to their original courses. The video was produced for the Inland Waters Directorate, Atlantic Region, Environment Canada.(au)
Availability: Available for interlibrary from OOFF under WACE number 00095

UNITED STATES

Bibliographies

538 (093254)
US Department of Agriculture, Extension Service, Water Quality Initiative Team • **Bibliography : Cooperative Extension System's water quality educational materials**. - Revised edition (see entry number 627 for complete reference)

539 (093197)
PERLIN, M.E. (ed) ; PARKER, K. (ed) ; HELSTOWSKI, L. (ed) • **Groundwater reference guide : an annotated bibliography of publications related to groundwater protection** • Regional Groundwater Center, University of Michigan Biological Station , Pellston, MI, US ; Institute of Water Research, Michigan State University , East Lansing, MI, US • May 1991 • 26p

This bibliography contains 500 recently-published materials on groundwater intended for the general public. Although the focus is on Michigan, many of the items are general in nature. The publications are divided into subject areas such as groundwater contamination, agriculture, household hazardous waste, recycling, groundwater protection, septic systems, underground storage tanks, and water wells. A section on groundwater materials for K-12 students is also included. Each entry contains an abbreviated citation, short abstract, target audience, where to obtain the item, and the cost.

Availability: Available for interlibrary loan from OOFF under WACE number 00401; Also available from the Regional Groundwater Center, University of Michigan Biological Stn, Pellston, MI, US 49769 (616) 539-8789 or the Institute of Water Research, 334 Natural Resources Bldg, Michigan State University, East Lansing, MI, US 48824-1222 (517) 353-3742

Directories, Catalogues

540 (093257)
SARDINSKY, R. • **Resource-efficient housing guide : a select annotated bibliography and directory of helpful organizations** • Rocky Mountain Institute, Snowmass, CO, US • 1989 • 127p

This bibliography reviews and lists hundreds of informative resources which can help the American homeowner to identify and make the most of existing household resource-efficient opportunities. Three basic sources of information are presented: periodicals, books, and organizations. In addition to recommending where to turn to for specific resource-efficient housing assistance, this publication also contains background information within the introductions, reviews, and excerpts. Subject areas covered include energy-efficient appliances, owner-building design and construction, household environmental quality, resource-efficient landscaping and site design, energy-efficient house plans, and safe and efficient water use. This latter topic contains references on safe and efficient water use as well as a list of environmentally-responsible waste disposal primers. Solar hot water resources and hydropower resources are two renewable energy resources covered in the section on using renewable resources.

Library location: SS

Availability: Available from the Rocky Mountain Institute, 1739 Snowmass Creek Rd, Snowmass, CO, US 81654-9199 (303) 927-3851, FAX (303) 927-4178

541 (092615)
Water Pollution Control Federation, Public Education Committee • **The water quality catalog : a source book of public information materials** • Water Pollution Control Federation , Alexandria, VA, US • 1990? • 49p

This catalogue is an educational resource for schools, local governments, professional organizations, groups and the general public. It provides a list of materials on water quality with the focus being on the United States. Areas covered include hazardous wastes and their disposal, marine pollution, drinking water quality, groundwater, water pollution control, cleanup plans, water conservation, and Great Lakes water quality management. Materials are divided by type of item such as booklets, books, citizens' action guides or primers, fact sheets, pamphlets and brochures, posters, slide shows, computer software, stickers, student activities, and videos. Each entry includes the title, intended audience, description of the item, an abstract, and address where the item can be obtained.

Availability: Available for interlibrary loan from OOFF under WACE number 00368; Also available from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

542 (093214)
MYERS, C.R. ; BUTLER, P. ; HERMAN, J. ; GILLIAM, L.O. • **Water-efficient technologies for the urban/residential sector : a part of the water-savers' handbook : 1988 edition** (see entry number 734 for complete reference)

Books, Booklets

543 (093213)
Acid Rain Foundation Inc ; Minnesota Department of Education ; Minnesota Department of Health ; Minnesota Department of Natural Resources ; Minnesota Pollution Control Agency * **Acid rain in Minnesota**. - Revised edition * Acid Rain Foundation , Raleigh, NC, US * 1989 * 24p

Geared to the intermediate and secondary school student, this publication explains the nature of acid rain, the long-range transport of airborne pollutants, measures to control acid rain, and effects of acid rain. It describes what the State of Minnesota is doing to curb its acid rain problem notably through its Acid Deposition Standard and Control Plan. The appendices provide information on the laws of Minnesota regarding acid rain, a memorandum of understanding between Ontario and Minnesota to combat acidification of the environment, and the rules of Minnesota's Pollution Control Agency relating to acid deposition control. A Resource Guide for Educators has been designed to accompany this booklet. Available from the Acid Rain Foundation, the guide presents the topic of acid rain through a collection of interdisciplinary learning materials for teachers and students of all ages.
Availability: Available for interlibrary loan from OOFF under WACE number 00403; Also available from The Acid Rain Foundation, 1410 Varsity Dr, Raleigh, NC, US 27606 (919) 828-9443

544 (092614)
US Environmental Protection Agency, Office of Wetlands Protection ; US Environmental Protection Agency, Office of Water * **America's wetlands : our vital link between land and water** * US Environmental Protection Agency, Office of Wetlands Protection , Washington, DC, US ; US Environmental Protection Agency, Office of Water , Washington, DC, US * Feb 1988 * 10p

This beautifully-illustrated booklet provides students and the public with information on the value and importance of wetlands in the United States, how they are threatened, and what can be done to conserve them for future generations. The types of wetlands, wetland values, status and trends, and wetlands protection are described. The involvement of the Environmental Protection Agency in protecting wetland resources is examined.
Availability: Available for interlibrary loan from OOFF under WACE number 00370; Also available free from the Public Information Center (PM-2118), US Environmental Protection Agency, 401 M St SW, Washington, DC, US 20460

545 (092436)
Canadian Embassy * **Canada-United States : acid rain**. - Revised edition (see entry number 5 for complete reference)

546 (091017)
Water Pollution Control Federation * **Clean water for today : what is wastewater treatment?** * Water Pollution Control Federation , Washington, DC, US * 1983? * 17p

This publication is designed to educate the American public about the wastewater treatment plant. It describes the typical publicly-owned treatment works found in an average municipality. Primary, secondary and advanced wastewater treatment processes and the nature of wastewater are outlined. Also described are other areas important to the operation of a treatment plant such as sludge handling, plant management, infiltration, permits, monitoring, and industrial wastes.
Availability: Available for interlibrary from OOFF under WACE number 00083; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe Street, Alexandria, VA, US 22314-1994 (703) 684-2400

547 (091746)
WESELY, E.F. * **Easy ways to save water money & energy at home** * Potomac River & Trails Council * 1990 * 26p

This handbook provides simple tips and suggestions on ways to reduce water consumption both inside and outside the home. Using ideas such as buying water-saving devices and fixing leaks can dramatically lessen water and energy bills and can help conserve water at the same time.
Availability: Available for interlibrary loan from OOFF under WACE number 00220; Also available from the Niagara Conservation Corp, 230 Route 206, Flanders, NJ US 07836-9119 (800) 831-8383 FAX (201) 927-4422

548 (092609)
US Department of the Interior, Geological Survey * **Ground water** * US Department of the Interior, Geological Survey * 1986 * 23p

This publication explains the nature of groundwater and how it occurs. It highlights the groundwater resources in the United States with emphasis on the quality, use, and supply of groundwater. A map illustrates the major groundwater areas in the United States. An explanation is given on how the depth,

quantity and quality of groundwater is assessed in the United States and what attempts are being made to protect the quality of the groundwater resources.
Availability: Available for interlibrary loan from OOFF under WACE number 00380; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

549 (092613)
WALLER, R.M. * **Ground water and the rural homeowner** * US Geological Survey, Department of the Interior * 1989 * 37p

This pamphlet provides both present and prospective rural homeowners, particularly those in the glaciated northern parts of the United States, with a basic but comprehensive description of groundwater. The pamphlet is designed to awaken an interest in groundwater. Problems such as lowered well-water levels, flooded basements and contamination from septic systems are discussed with solutions or suggestions to help with these problems. A description of where groundwater is available, how it moves, and how it can be protected and used wisely is also given.
Availability: Available for interlibrary loan from OOFF under WACE number 00374; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

550 (089998)
ILLICH, I. * **H2O and the waters of forgetfulness** * Marion Boyars Publishers , London, GB * 1986 * 92p

This is a working paper on water conservation using historical examples of water use for purification and cleanliness and of attitudes toward water. During the 1980s water became seen as an industrial and technincal detergent, feared both as a poisonous stuff and as a corrosive for the skin. Sewage treatment is now a major local government expense. Water was once perceived as radiating purity, it is now the new element on whose purification human survival depends.
Library location: BVAS
Availability: Available for interlibrary loan from OOFF under WACE number 00005

551 (093200)
Massachusetts Water Resources Authority * **Home water conservation guide : including 20 tips to help you save thousands of gallons of water each year** * Massachusetts Water Resources Authority , Boston, MA, US * nd * 19p

In addition to providing 20 excellent water-saving tips, this booklet shows how water is used and where it comes from. It provides a seven-day chart to measure how much water is used in the average household as well as a tally sheet for the bathroom, kitchen, laundry room or other areas of water use. Information on retrofitting or replacing toilets, installing low-flow shower heads, aerators and spray taps, and outdoor water conservation ideas are presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00391; Also available from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

552 (092612)
JAMES, I.C.; KAMMERER, J.C.; MURRAY, C.R. * **How much water in a 12-ounce can? A perspective on water-use information** * US Department of the Interior, Geological Survey * 1987 * 18p

This pamphlet provides useful information on the variety of ways in which water is used. A 12-ounce beverage can of water is used to illustrate how water is used in the fabrication of other products. Information is also provided on water uses in the home, the historical and legal concepts of water as a commodity, supply versus demand in the United States in 1975, how and why water use information is needed at all levels of water resource planning, and how water use information systems are developed.
Availability: Available for interlibrary loan from OOFF under WACE number 00382; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

553 (093210)
North Dakota State Water Commission * **North Dakota water : a reference guide** * North Dakota State Water Commission , Bismarck, ND, US * 1988 * 24p

This publication provides some general information about North Dakota's water resources on a statewide basis as well as for each of the state's five major watersheds - the Missouri River Basin, the James River Basin, the Red River Basin, the Devils Lake Basin, and the Souris River Basin. A description of each basin, water use in the basin, and basic concerns of that basin, are included. Water management projects in North Dakota including the Garrison Diversion, the Southwest Pipeline Project, the Souris River Flood Control Project, and the Sheyenne River Flood Control Project, are described.
Availability: Available for interlibrary loan from OOFF under WACE number 00393; Also available from the North Dakota State Water Commission, 900 East Blvd, Bismarck, ND, US 58505 (701) 224-2750

554 (093209)
United States Environmental Protection Agency, Office of Pesticides and Toxic Substances * **Pesticides in drinking-water wells** * United States Environmental Protection Agency, Office of Pesticides and Toxic Substances , Washington, DC, US * Sept 1989 * 12p

This booklet is intended for people who drink water that comes from a well and who are concerned that pesticides may be present in their drinking water. The booklet provides a step-by-step explanation of how pesticides can enter drinking-water wells, the types of health concerns that pesticides can pose, advice on testing your water supplies, and actions that can be taken if contamination is found. Sources of further information and assistance are listed at the back of the booklet.(au)

Availability: Available for interlibrary loan from OOFF under WACE number 00392; Also available free from the Public Information Center, US Environmental Protection Agency, 401 M St SW, Washington, DC, US 20460

555 (090021)
US Environmental Protection Agency * **Preventing pollution through efficient water use** * US Environmental Protection Agency , Washington, DC, US * July 1990 * 4p

This publication describes how using water more efficiently can help prevent pollution as well as protect and conserve water resources. More efficient water use results in fewer pollutants, protection of aquatic habitats and drinking water sources, and energy conservation. The leaflet also lists reasons to use water wisely and what individuals can do in the home, outdoors, at work, and at school, to promote more efficient water use. Communities can also use a water supplier or wastewater system operator to deliver water more efficiently.

Availability: Available for interlibrary loan from OOFF under WACE number 00042

556 (093215)
LOVELAND, D.G.; REICHHELD, B.; SULLIVAN, M. (ed) * **Safety on tap : a citizen's drinking water handbook** * League of Women Voters Education Fund , Washington, DC, US * 1987 * 68p

This guide for the American citizen discusses the sources of drinking water, the types of human activities that result in water contamination and the contaminants that are of most concern. It also describes how a typical treatment plant works, who is responsible for ensuring the safety of drinking water, the requirements and effectiveness of the federal Safe Drinking Water Act of 1974, and the 1986 changes. The various policy issues involved in the management of drinking water are surveyed and reported. The publication concludes with a Guide to Citizen Action to help readers learn more about the quality and management of local drinking water and to take action on issues of local concern. It provides information on how we can each act responsibly at home to protect our water supplies.

Availability: Available for interlibrary loan from OOFF under WACE number 00406; Also available at cost from the League of Women Voters of the United States, 1730 M St NW, Washington, DC, US 20036 (202) 429-1965, FAX (202) 429-0854

557 (090044)
LEOPOLD, L.B. ; DAVIS, K.S. * **Water** * Time Incorporated , New York, NY, US * 1966 * 200p

This extensively-illustrated book examines the nature of water, what it can do, and how it is used by man. Subjects explored include the hydrologic cycle, groundwater, erosion, the indispensability of water, an historical look at rivers, use of water in hydroelectric plants, water purification and treatment, and urban water shortage. Each chapter is supplemented by a picture essay which may be read independently.

Library location: QMNF

558 (093220)
WOODWELL, J.C. * **Water efficiency for your home : products and advice which save water, energy, and money**. - Second edition * Rocky Mountain Institute , Snowmass, CO, US * 1991 * 23p

This booklet provides tips on how homeowners and tenants can improve the water and energy efficiency of their homes and save money in the process. The ideas advanced can also be applied on a larger scale enabling neighbours, the community and water utility companies to take advantage of the broad benefits which the efficiency provides. Using high-performance showerheads, low-flush toilets, faucet aerators, and front-loading washing machines, can dramatically reduce water use. A list of publications and organizations for further information is also provided.

Availability: Available for interlibrary loan from OOFF under WACE number 00427; Also available at cost from the Rocky Mountain Institute, 1739 Snowmass Creek Rd, Snowmass, CO, US 81654-9199 (303) 927-3851, FAX (303) 927-4178

559 (093218)
MORRIS, M. * **Wetlands protection : a local government handbook** * American Planning Association , Chicago, IL, US * Sept 1991 * 31p

This guide explains exactly what wetlands are and why they are important. It describes the variety of socioeconomic, environmental, and recreational benefits that wetlands provide the communities and people of the United States. This guide will also help the local official, planner, or citizen to understand the myriad of tools available to protect these valuable natural resources in his community. It reviews federal and state laws and programs that promote wetlands preservation.
Availability: Available for interlibrary loan from OOFF under WACE number 00405; Also available from the American Planning Association, 1313 East 60th St, Chicago, IL, US 60637 (312) 955-9100

560 (091027)
MITCHELL, S.; CROWELL, R.L.; SNYDER, J.H. * **What we can do before the well runs dry!** * California Water Resources Center, University of California, Davis, CA, US * Apr 1977 * 10p

This is a brief summary of report no 35 of the Water Resources Center on United States residential water conservation by Murray Milne. It focuses on ways that homeowners can conserve significant amounts of water when drinking, cooking, flushing, bathing, washing, lawn watering and keeping household water systems in repair. Examples are provided of some commercially available water conservation devices such as different types of toilets, washerless faucets, fiberglass insulation, and energy-efficient appliances.
Library location: OOFF
Availability: Available for interlibrary from OOFF under WACE number 00087

561 (093250)
BANIK, A.E.; WADE, C. * **Your water and your health**. - Revised edition * Keats Publishing, Inc, New Canaan, CT, US * 1990 * 140p

This book describes in layman's terms how important pure water is to the maintenance and promotion of good health. It highlights the pollutants in drinking water, what to do to achieve better drinking water, and discusses the pros and cons of pure water. It stresses the health aspects of water by focusing on such areas as how pure water helps to improve body health, chlorine and fluorides in drinking water, the effect of water on the kidneys, and pure water and arthritis, allergies, diabetes, and premature aging. Questions and answers on pure water and its benefits are found at the end of the book.
Availability: Available at cost from Keats Publishing, Inc, 27 Pine St, Box 876, New Canaan, CT, US 06840

Descriptive Reports

562 (091836)
YEE, P.; EDGETT, R.; EBERHARDT, A. * **Great Lakes-St. Lawrence River regulation : what it means and how it works**. - First edition (see entry number 310 for complete reference)

Evaluative Reports

563 (093248)
SCHUETT, M.A.; WICKS, B.E. * **The impact of recreational boating in Illinois** * Illinois-Indiana Sea Grant Program, University of Illinois at Urbana-Champaign, Urbana, IL, US * Apr 1991 * iv, 43p

This report attempts to consolidate the enormous amount of secondary data demonstrating the importance of recreational boating in Illinois. The significance of recreational boating to the state is well documented through participation rates, the use and number of available resources and the substantial economic impact of the industry. More effort is needed, however, in pursuing information that will aid in the efficient management of the water resources by learning more about the Illinois boater. Other areas that must be studied in detail include the behavioral aspect of the boating participant, boating's related activities and its economic impact. Additional coordination between public and private agencies is needed in conducting boating research. There is also a need in creating a clearinghouse of information that will aid the industry as a whole in documenting the considerable impact recreational boating has for Illinois.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00447; Also available at cost from the Illinois-Indiana Sea Grant Program, University of Illinois at Urbana-Champaign, 65 Mumford Hall, 1301 W Gregory Dr, Urbana, IL, US 61801

Fact Sheets, Brochures, Leaflets

564 (092599)
Water Pollution Control Federation * **Are you poisoning your water?** * Water Pollution Control Federation, Alexandria, VA, US * 1987 * 2p

Based on information from the United States Environmental Protection Agency's Hazardous Waste regulations, the Household Hazardous Waste chart featured in this brochure indicates the best disposal

methods for household materials from the kitchen, bathroom, garage, workshop and garden. Citizens are taught the proper way to dispose of such hazardous wastes as cleaning products, insecticides, medicine, antifreeze, motor oil, paint and shoe polish.
Availability: Available for interlibrary loan from OOFF under WACE number 00360; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

565 (092600)
Water Pollution Control Federation * **Clean water : a bargain at any cost** * Water Pollution Control Federation , Alexandria, VA, US * 1987 * 8p

Designed to inform the American citizen of the cost of protecting their clean water resources, this brochure compares the cost of wastewater treatment to other services in a metropolitan area, explains how a community pays for clean water and what they get for their money, and outlines some ways besides government funding of paying for this resource.
Availability: Available for interlibrary loan from OOFF under WACE number 00361; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

566 (092256)
American Ground Water Trust * **Domestic water treatment for homeowners** * American Ground Water Trust , Dublin, OH, US * 1990 * 14p

This pamphlet stresses that homeowners with wells must be concerned with the quality and the quantity of their water supply. Discussed are taste and odour, physical, biological and chemical contaminants in water, ground water constituents, treatment techniques, water hardness, and the types of agencies that provide water analyses services.
Availability: Available for interlibrary loan from OOFF under WACE number 00347; Also available from The American Ground Water Trust, 6375 Riverside Drive, Dublin, OH, US 43017 (614) 761-2215

567 (093232)
Massachusetts Water Resources Authority * **Every drop counts!** * Massachusetts Water Resources Authority , Boston, MA, US * nd * 5p

Produced primarily for Massachusetts residents whose water comes from the Quabbin Reservoir, the message of this leaflet is that water conservation should become a daily habit. Four easy ways that families can reduce the water they use in their homes by as much as 40 percent a day, are outlined.
Availability: Available for interlibrary loan from OOFF under WACE number 00421; Also available free from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

568 (093189)
Tip of the Mitt Watershed Council * **Fuel storage tanks** * Tip of the Mitt Watershed Council , Conway, MI, US * Mar 1989 * 2p

The fifth in a series of fact sheets about groundwater and potential contamination problems, this unit advises residents on how by preventing fuel storage tanks from leaking they can protect groundwater from contamination. The problems posed by leaking tanks as well as how leaks can be prevented and detected, are discussed. The fact sheet also contains a section on recent US Environmental Protection Agency guidelines for underground storage tanks.
Availability: Available for interlibrary loan from OOFF under WACE number 00400; Also available from the Tip of the Mitt Watershed Council, PO Box 300, Conway, MI, US 49722 (616) 347-1181

569 (091761)
Michigan State University, Michigan Sea Grant College Program * **Great Lakes Basin** (see entry number 328 for complete reference)

570 (092257)
American Ground Water Trust * **Ground water pollution control** * American Ground Water Trust , Dublin, OH, US * 1990 * 13p

This pamphlet shows how citizens can control groundwater pollution. It examines some of the common activities that can and have led to groundwater pollution, the pollution potential of each activity, and controls that have or can be initiated to protect groundwater. The activities discussed include holding ponds and lagoons, stockpiles and wastepiles, sanitary landfills, land disposal of wastes, leakage from underground pipelines and storage tanks, septic tanks and cesspools, fertilizers and pesticides, animal feedlots, accidental spills of hazardous materials, well disposal of wastes, waste disposal in wet exavations, exploratory and abandoned wells, drainage wells and canals, groundwater development, infiltration of polluted surface water, and aquifer restoration and groundwater rehabilitation.
Availability: Available for interlibrary loan from OOFF under WACE number 00346; Also available from The American Ground Water Trust, 6375

Riverside Drive, Dublin, OH, US 43017 (614) 761-2215

571 (093204)
BLOOMGREN, P.; BRUEMMER, L. * **Groundwater : understanding our hidden resource** * Freshwater Foundation , Navarre, MN, US * 1985 * 10p

This leaflet answers some very basic questions about groundwater. It explains what groundwater is, where it comes from, why it is important, and what affects its quality. How groundwater quality is measured and regulated, what causes groundwater contamination, how you can test the quality of your groundwater, and what can be done at an individual level to protect the nation's groundwater resources are also discussed.
Availability: Available for interlibrary loan from OOFF under WACE number 00413; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

572 (092603)
Water Pollution Control Federation * **Groundwater : why you should care** * Water Pollution Control Federation , Alexandria, VA, US * 1987 * 8p

This brochure explains what groundwater is and why it is important to preserve in easy-to-understand terms. Citizens are given information on how individuals and society can help to prevent groundwater contamination. Practical steps to prevent further degradation include regular testing of water wells, cleaning septic systems regularly and in accordance with manufacturers' prescribed methods, and following good land management practices.
Availability: Available for interlibrary loan from OOFF under WACE number 00364; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

573 (093192)
League of Women Voters of Michigan (LWVMI) * **Groundwater in Michigan : a primer** * In: Michigan voter * League of Women Voters of Michigan (LWVMI) , Lansing, MI, US * Jan 1990 * 4p

This four page publication in "newspaper" format describes the groundwater basics, remedial and protection actions, and outlines legislation that impacts groundwater. Also included is a glossary of water-related terms.
Availability: Available for interlibrary loan from OOFF under WACE number 00383; Also available free from the League of Women Voters of Michigan (LWVMI), 200 Museum Dr, Lansing, MI, US 48933-1997 (800) 292-5823

574 (093247)
University of Illinois at Urbana-Champaign, Cooperative Extension Service, Region II * **H2O & you : a series of fact sheets on water quality** * Cooperative Extension Service, College of Agriculture, University of Illinois at Urbana-Champaign , Urbana, IL, US * 1990 * 1p

This series of fifteen one-page fact sheets provide important information about what can be done to improve water quality in and around your home. Fact sheets address a wide variety of topics. Titles include: Water and your health, Pollution in our lakes and rivers, Sizing up the risks in drinking water, Water quality resources, and many more.
Availability: Available for interlibrary loan from OOFF under WACE number 00459; Also available from the Illinois-Indiana Sea Grant Program, University of Illinois-Champaign, 65 Mumford Hall, 1301 W Gregory Dr, Urbana, IL, US 61801

575 (093207)
Freshwater Foundation * **Hazardous waste in our homes - and in our water : what you should know, what you can do** * Freshwater Foundation , Navarre, MN, US * 1985 * 8p

All waste is not the same, and some kind of waste is more dangerous than others. This leaflet explains what hazardous waste is and how it becomes a water problem. The main message is that what you do with your waste can make a difference. By understanding the problem, knowing the sources of hazardous waste and disposing of this waste with extra care or using non-toxic alternatives you will be helping to protect the environment.
Availability: Available for interlibrary loan from OOFF under WACE number 00414; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

576 (093208)
Pullman Health Systems * **Healthy water, healthy babies : fact sheet for parents & pregnant women** * Pullman Health Systems , Pullman, MI, US * 1991 * 8 ref

This leaflet, designed for use in environmental health education classes, advises parents and pregnant women of the danger of exposing infants to contaminated drinking water. The primary contaminant that is discussed is nitrate and topics include the symptoms of Blue Baby Syndrome, what parents should do if their child exhibits these symptoms, other

chemicals that can get into water sources, and what precautions should be used to protect children from consuming unsafe water.
Availability: Available for interlibrary loan from OOFF under WACE number 00408; Also available at cost from the Water Quality Project Coordinator, Pullman Health Systems, 5498 109th Ave, Pullman, MI, US 49450 (616) 236-5021

577 (092601)
Water Pollution Control Federation * **Household hazardous waste : what you should & shouldn't do** * Water Pollution Control Federation , Alexandria, VA, US * 1987 * 6p

Safely disposing of household hazardous waste is the focus of this brochure. Included is a colour-coded reference guide on how to dispose of over seventy common household materials, a rundown on the best ways to reduce household hazardous waste, and a look at the pros and cons of current disposal methods.
Availability: Available for interlibrary loan from OOFF under WACE number 00363; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

578 (093187)
Tip of the Mitt Watershed Council * **Household hazardous wastes** * Tip of the Mitt Watershed Council , Conway, MI, US * Mar 1989 * 2p

The third in a series of fact sheets about groundwater and potential contamination problems, this unit discusses how the individual can prevent groundwater contamination by using and disposing of household hazardous wastes properly. Included are sections entitled: What is a Hazardous Material, The Dangers of Hazardous Waste, What can you do, and Common Hazardous Household Items.
Availability: Available for interlibrary loan from OOFF under WACE number 00398; Also available from the Tip of the Mitt Watershed Council, PO Box 300, Conway, MI, US 49722 (616) 347-1181

579 (092607)
US Department of the Interior, Geologic Survey * **The hydrologic cycle** * US Department of the Interior, Geological Survey * nd * 7p

How the same water has been transferred time and time again from the oceans into the atmosphere, dropped upon the land, and transferred back to the sea is explained in this brochure. Some interesting facts regarding the world's water supply are also included.
Availability: Available for interlibrary loan from OOFF under WACE number 00376; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

580 (093249)
Massachusetts Department of Environmental Quality Engineering * **Is there lead in my tap water...and what can I do? A guide for homeowners and renters** * Massachusetts Department of Environmental Quality Engineering , Boston, MA, US * nd * 5p

Knowing how lead gets into tap water, and what the individual can do to avoid this problem, will help to minimize the health risks associated with exposure to this metal. Topics covered in this pamphlet include: sources of lead in drinking water; things that can be done to reduce exposure; the effectiveness of commercially available water purifying devices; and, sources of additional information.
Availability: Available for interlibrary loan from OOFF under WACE number 00462; Also available free from the Division of Water Supply, Massachusetts Department of Environmental Quality Engineering, 1 Winter St, Boston, MA, US 02108

581 (091758)
Michigan State University, Michigan Sea Grant College Program * **Lake Erie** (see entry number 330 for complete reference)

582 (091756)
Michigan State University, Michigan Sea Grant College Program * **Lake Huron** (see entry number 331 for complete reference)

583 (091757)
Michigan State University, Michigan Sea Grant College Program * **Lake Michigan** * Michigan Sea Grant College Program, Michigan State University , East Lansing, MI, US * Jan 1990 * 2p

One of a series of brochures prepared on the Great Lakes, general information on Lake Michigan is followed by more detailed data on water use, economic importance, resource issues, land and shoreline use and lake dimensions. A full page map of the lake and surrounding area is presented.
Availability: Available for interlibrary loan from OOFF under WACE number 00161; Also available free from Environment Ontario, Public Information Centre, 135 St Clair Ave W, Toronto, Ont M4V 1P5 (416) 323-4321

584 (091759)
Michigan State University, Michigan Sea Grant College Program * **Lake Ontario** (see entry number 332 for complete reference)

585 (091760)
Michigan State University, Michigan Sea Grant College Program * **Lake Superior** (see entry number 333 for complete reference)

586 (093228)
Massachusetts Water Resources Authority * **Massachusetts Water Resources Authority : water system** * Massachusetts Water Resources Authority , Boston, MA, US * nd * 2p

This double-sided folder illustrates the water system of the Massachusetts Water Resources Authority. One side describes how the Authority has met and continues to meet the growing water needs of the State and demonstrates this by focusing on the activities and operations of the Quabbin Reservoir. The reverse side details the water conservation programs of the Authority, offers some water conservation tips to the individual at home and at work, and elaborates on the water supply, the water delivery, and the demand management systems of the Authority.

Availability: Available for interlibrary loan from OOFF under WACE number 00420; Also available free from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

587 (092602)
Water Pollution Control Federation * **Nature's way : how wastewater treatment works for you** * Water Pollution Control Federation , Alexandria, VA, US * 1985 * 4p

This brochure provides consumers with an overview of the wastewater treatment process. The primary and secondary treatment processes are explained, as is the nature and uses of sludge. Individuals are encouraged to visit their local wastewater treatment plant and to learn more about their role in solving the problems of water pollution.

Availability: Available for interlibrary loan from OOFF under WACE number 00362; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

588 (093186)
Tip of the Mitt Watershed Council * **Nitrate contamination** * Tip of the Mitt Watershed Council , Conway, MI, US * Mar 1989 * 2p

The second in a series of fact sheets about groundwater and potential contamination problems, this unit discusses the possible problems posed by a naturally occurring susbstance; namely, nitrate. Topics covered include the health risks and sources of nitrate contamination.

Availability: Available for interlibrary loan from OOFF under WACE number 00397; Also available from the Tip of the Mitt Watershed Council, PO Box 300, Conway, MI, US 49722 (616) 347-1181

589 (091028)
US Environmental Protection Agency * **Protecting our ground water** * Office of Public Affairs, US Environmental Protection Agency , Washington, DC, US * Sept 1985 * 2p

This information leaflet aimed at the American public focuses on the importance of protecting groundwater to ensure a clean, safe supply. It presents groundwater facts such as causes of groundwater contamination and tips for private citizens on protecting groundwater in their own areas. Also described is the groundwater protection strategy of the US Environmental Protection Agency. A colour illustration of groundwater and land use in the water cycle shows direction of groundwater movement and human-induced impacts on groundwater.

Availability: Available for interlibrary from OOFF under WACE number 00086; Also available free from the US Environmental Protection Agency, Region 5, 230 South Dearborn St, Chicago, IL, US 60604 (312) 353-6198, FAX (312) 353-1155

590 (092610)
US Department of the Interior, Geological Survey * **Rain : a water resource** * US Department of the Interior, Geological Survey * 1988 * 7p

This brochure explains how precipitation returns to the atmosphere by evaporation and transpiration. Rainfall data for major American cities are presented to illustrate how much rain water these cities receive during a year. A list of equivalents shows the relationships between the volume and weight of water and between the volume and speed of flowing water.

Availability: Available for interlibrary loan from OOFF under WACE number 00379; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

591 (093233)
Massachusetts Water Resources Authority * **A renter's guide to water conservation** * Massachusetts Water Resources Authority , Boston, MA, US * 1990? * 7p

Based on the premise that as a renter, the individual may be less aware of their water usage than most homeowners because they do not receive the water bill, this leaflet describes the services of the Massachusetts Water Resources Authority and the im-

portance of water conservation. A number of water-saving tips are provided. Renters are also asked to report leaks to their landlord immediately and to ask that water conserving fixtures be installed.
Availability: Available for interlibrary loan from OOFF under WACE number 00422; Also available free from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

592 (093227)
OGHALAI, R. * **Save Wisconsin's water : making every drop count** * Wisconsin Department of Natural Resources , Madison, WI, US * 1984? * 12p

Aimed at the citizens of Wisconsin, this pamphlet contains positive and practical ideas to help save water, energy, and money. It describes the need to conserve water, offers advice on saving water both inside and outside the home, and shows the efficiency of water-saving devices and appliances.
Availability: Available for interlibrary loan from OOFF under WACE number 00432; Also available free from Environmental Education, Wisconsin Dept of Natural Resources, Box 7921, Madison, WI, US 53707

593 (093188)
Tip of the Mitt Watershed Council * **Septic system maintenance** * Tip of the Mitt Watershed Council , Conway, MI, US * Mar 1989 * 2p

The fourth in a series of fact sheets about groundwater and potential contamination problems, this unit advises residents on how by maintaining their septic systems they can guard against expensive system failures, contamination of groundwater and surface water and threats to public health. In addition to explaining how septic systems work, the fact sheet contains a list of things that can be done by the individual to maintain their septic system and drainfield. Other topics covered include signs of septic system problems and how conserving water will improve septic system performance.
Availability: Available for interlibrary loan from OOFF under WACE number 00399; Also available from the Tip of the Mitt Watershed Council, PO Box 300, Conway, MI, US 49722 (616) 347-1181

594 (092598)
Water Pollution Control Federation * **Sludge : too valuable to waste** * Water Pollution Control Federation , Alexandria, VA, US * 1990 * 3p

This colourful brochure explains that the material we wash down our drains is not waste, but a valuable age-old resource for enriching the soil. Citizens will learn about sludge management in their communities, how they can become advocates for recycling, and about the beneficial uses of sludge products.
Availability: Available for interlibrary loan from OOFF under WACE number 00359; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

595 (093205)
Freshwater Foundation * **Understanding your septic system** * Freshwater Foundation , Navarre, MN, US * 1986 * 9p

If a septic system and well are not properly designed, located and maintained, the groundwater that supplies the well may become contaminated. In addition, a poorly functioning septic system is a threat to the water quality of nearby lakes and streams. It is therefore important for cottagers and rural homeowners to understand what a septic system is and how it works. This leaflet answers these basic questions. Proper site selection, design and maintenance of a septic system, safe disposal of wastes, the effects of inadequate systems, and the role of land use controls are also discussed.
Availability: Available for interlibrary loan from OOFF under WACE number 00415; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

596 (093206)
Freshwater Foundation * **Understanding your shoreline : protecting rivers, lakes and streams** * Freshwater Foundation , Navarre, MN, US * 1985 * 5p

If you live on or near a lake or river, the ways in which you manage your land may directly affect the quality of the nearby water. This leaflet provides shore-dwellers with seven steps to ensure that their shoreline actions do not have a detrimental effect on water quality. These include: limiting chemical treatments, considering fertilizers carefully, controlling fertilizer runoff, maintaining groundcover, preserving wetlands, adding detention systems and diverting nutrients.
Availability: Available for interlibrary loan from OOFF under WACE number 00411; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

597 (093202)
Freshwater Foundation * **Waste is a water problem : what you can do about solid waste** * Freshwater Foundation , Navarre, MN, US * 1985 * 6p

This leaflet answers a number of basic questions about waste. It discusses what waste is, describes the three types of wastes - hazardous waste, human waste and solid waste, and explains how solid waste becomes a water problem. Six suggestions for controlling solid waste are also provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00410; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

598 (092605)
US Department of the Interior, Geological Survey * **Water dowsing** * US Department of the Interior, Geological Survey * 1988 * 15p

Prepared to answer some of the most frequently asked questions about water dowsing, this brochure explains what is involved in the practice, recounts the history of water dowsing, and discusses how it is viewed by the scientific community. How groundwater occurs and how hydrologists locate groundwater are also outlined.
Availability: Available for interlibrary loan from. OOFF under WACE number 00378; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

599 (093203)
Freshwater Foundation * **Water filters : their effect on water quality** * Freshwater Foundation , Navarre, MN, US * 1985 * 8p

In response to growing concern about the potential for contaminated water supplies, more people are looking into water filters as one way to ensure water quality. This leaflet explains what water filters will and will not do, outlines some things to consider when choosing a filter, and advises the user how to get the best performance from the filter they choose.
Availability: Available for interlibrary loan from OOFF under WACE number 00412; Also available at cost from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

600 (092606)
SCHNEIDER, W.J. * **Water in the urban environment : erosion and sediment** * US Geological Survey, Department of the Interior * 1989 * 11p

This brochure discusses the problems of erosion and sediment. Sediment - the mud and other solids washed off the land surface - is one of the major pollutants of waterways. The sediment in streams and rivers is in turn derived almost entirely from the erosion of soil. Some techniques for controlling erosion are provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00377; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

601 (093217)
Freshwater Foundation ; Minnesota Soil and Water Conservation Board * **Watershed management : a community commitment** * Freshwater Foundation , Navarre, MN, US * 1986 * 4p

Communities are now discovering that improving water quality is a local task as many of the causes of poor water quality are a direct result of how people use the land surrounding that water body. This folder explains the nature of a watershed, how water quality is affected by land use in a watershed, the kinds of land uses that can cause excessive nutrient flows into lakes and streams, the importance of watershed management to the economy of a community, how land management practices can protect water quality, and who is responsible for watershed management.
Availability: Available for interlibrary loan from OOFF under WACE number 00409; Also available from Publications, Freshwater Foundation, Spring Hill Center, 725 County Rd 6, Wayzata, MN, US 55391 (612) 449-0092, FAX (612) 449-0592

602 (093298)
Water Pollution Control Federation, Public Education Program * **Wetlands** * Water Pollution Control Federation , Alexandria, VA, US * nd * 6p

Wetlands play a vital role in keeping our water clean. Today they are disappearing at an alarming rate. In addition to explaining what wetlands are and how they are threatened, this colourful brochure examines what the lay person can do to protect this valuable resource.
Availability: Available for interlibrary loan from OOFF under WACE number 00366; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

603 (093185)
Tip of the Mitt Watershed Council * **What is groundwater?** * Tip of the Mitt Watershed Council , Conway, MI, US * Mar 1989 * 2p

The first in a series of fact sheets about groundwater and potential contamination problems, this unit contains a brief description and an illustration of the

water cycle. Other topics covered include: groundwater movement, groundwater quality and groundwater contamination.
Availability: Available for interlibrary loan from OOFF under WACE number 00396; Also available from the Tip of the Mitt Watershed Council, PO Box 300, Conway, MI, US 49722 (616) 347-1181

604 (090007)
BALDWIN, H. ; MARMAN, L.B. * **What is water?** * Geological Survey, US Department of the Interior * 1981 * 7p

This article focuses on the nature of water and its unusual properties. These include easily understood descriptions on the ability of water to absorb heat without becoming extremely hot itself, its capabilities of contraction and expansion, its ability to adhere to itself and to other surfaces, and how given enough time can wear away or erode anything exposed to it.
Availability: Available for interlibrary loan from OOFF under WACE number 00006; Also available from Branch Distribution, US Geological Survey, 604 South Pickett Street, Alexandria VA, US 22304 or Box 25286, Federal Center, Denver, CO, US 80225

605 (093245)
SNYDER, F.L. * **Zebra mussels in the Great Lakes : the invasion and its implications** * Ohio Sea Grant College Program , Columbus, OH, US * 1990 * 4p

This fact sheet covers the history of this prolific, traveling mussel, geographical territory, life cycle, impacts on the environment, Sea Grant activities, control, and potential for spread. It also lists contacts for the six Great Lakes Sea Grant Programs.
Availability: Available for interlibrary loan from OOFF under WACE number 00463; Also available free from the Illinois-Indiana Sea Grant Program, University of Illinois-Champaign, 65 Mumford Hall, 1301 W Gregory Dr, Urbana, IL, US 61801 or the Ohio Sea Grant College Program, 1314 Kinnear Rd, Columbus, OH, US 43212-1194 (614) 292-8949

Guides

606 (093313)
League of Women Voters of Michigan * **Drinking water : quality on tap** * League of Women Voters of Michigan , Lansing, MI, US * 1991 * 1 kit (4 pieces) : 1 videocassette (30 min); 1 leaflet; 1 study guide (46p); 1 handbook

Drinking water quality in Michigan is described in this kit containing a videocassette, an informational brochure, a study guide, and a handbook. It is particularly useful for the secondary school student. The video examines the basics of how the source, the supply, the treatment, and the delivery systems must work in order to produce quality drinking water. The study guide elaborates on the sources of drinking water, drinking water supply systems, government regulations, home water treatment and testing, and bottled water. The informational brochure offers a succinct guide for citizens who want more information about their drinking water. The handbook outlines the steps you can take to share the video program and educational materials with others including using them in classrooms and with citizen organizations and decision makers.
Availability: Available from the League of Women Voters of Michigan, 200 Museum Dr, Lansing, MI, US 48933-1997 (517) 484-5383

Guides - Non-Classroom Use

607 (090338)
Earthworks Group * **50 simple things you can do to save the earth** * Earthworks Press , Berkeley, CA, US * 1989 * 96p

This booklet lists 50 things to do to protect the environment ranging from simple things such as stopping junk mail, recharging batteries, recycling motor oil, aerating faucets, and snipping six-pack rings, to those requiring a little more effort such as recycling glass, using cloth diapers, planting a tree, carpooling to work, and protecting the rainforest, to more involved activities such as composting, driving less, eating low on the food chain, starting a recycling program, and installing a graywater tank. As a general introduction to these activities, a discussion is presented on some major environmental hazards such as acid rain, hazardous wastes, air pollution, groundwater pollution, ozone depletion, and the greenhouse effect.
Library location: NSDE
Availability: Available for interlibrary loan from OOFF under WACE number 00039; Also available from Earthworks Press, Box 25, 1400 Shattuck Avenue, Berkeley, CA 94709, US, (415) 841-5866

608 (090022)
National Wildlife Federation, Water Resources Program ; US Environmental Protection Agency * **A citizen's guide to community water conservation** * National Wildlife Federation , Washington, DC, US ; US Environmental Protection Agency , Washington, DC, US * 1989 * 17p

This handbook familiarizes the public with the opportunities available to meet community water demands and invites the reader to find water conservation solutions for his home and community. Key ideas that have proven effective in some communities are given. It states that water conservation provides an alternative approach to the twin problems of increasing demand for water in a community and finding new water sources for that demand. Conservation is not just a short-term fix, but can help close the gap between the water available to a community and its water demand, both over the long term and during times of peak use. Conservation manages water demand so that the customer gets the same service from less water. Water conservation includes both short and long term action. It can involve everyone, from individuals at home and at work, to water suppliers and all levels of government.
Availability: Available through interlibrary loan from OOFF under WACE number 00041

609 (089524)
Great Lakes Commission, Task Force on Drought Management and Great Lakes Water Levels * **A guidebook to drought planning, management and water level changes in the Great Lakes** * Great Lakes Commission , Ann Arbor, MI, US * 1990 * 61p

This guidebook provides practical information on drought, water level changes, expected impacts in the Great Lakes basin and ways of minimizing the impacts. Various definitions of drought are discussed, the impacts of the 1988 drought are reviewed, and aspects of the environmental, social and economic impacts of drought are described. Information is provided on responses to drought and on planning for drought. Brief descriptions of drought and water level-related information are provided and emergency assistance programs available from federal, state and provincial governments and from academic and private institutions are listed. Consideration is also given to key water supply issues in the Great Lakes basin including the predicted effects of global climate change, historical lake level fluctuations and diversions. This book will aid local officials and others to develop action plans for future drought events.
Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00395; Also available from the Shorelands Management Unit, Land and Water Management Division, Michigan Department of Natural Resources, PO Box 30028, Lansing, MI, US 48909 (517) 373-1950

Serials, Journals

610 (091823)
LIROFF, R.A. * **The Great Lakes Basin : a great resource at risk** (see entry number 364 for complete reference)

611 (093255)
Great Lakes United * **The Great Lakes United** (see entry number 365 for complete reference)

612 (093329)
Illinois-Indiana Sea Grant Program * **The HELM : happenings and educational activities around Lake Michigan** * University of Illinois at Urbana-Champaign, Illinois-Indiana Sea Grant Program , Urbana, IL, US * 1984- * 1(1)-

This newsletter provides information to people in the public and private sector on various coastal issues and events in the southern area of Lake Michigan. It contains descriptive articles, annotated publications lists and other notices of interest to educators. Upcoming conferences and workshops on coastal issues, marine ecology, and water quality management are advertised.
Availability: Available from the University of Illinois at Urbana-Champaign, Illinois- Indiana Sea Grant Program, 65 Mumford Hall, 1301 W Gregory Dr, Urbana, IL, US 61801

613 (093195)
Water impacts * Institute of Water Research, Michigan State University , East Lansing, MI, US * Dec 1979- * 1(1)-

This monthly newsletter is designed to inform Michigan residents of local efforts and activities in the area of water resources management. In addition to informative articles and progress reports, the newsletter provides valuable information on upcoming conferences and seminars, new environmental protection regulations, and citizen participation in environmental protection activities.
Availability: Available from the Institute of Water Research, 334 Natural Resources Bldg, Michigan State University, East Lansing, MI, US 48824-1222 (517) 353-3742

Journal Articles

614 (091014)
SEWELL, B.H. * **The dark cloud over bottled water** * In: Business and society review * Fall 1986 * (59) 45-50

Testing of bottled water in the United States has raised doubts about its quality and safety. Although subjected to the same drinking water quality standards as tap water which many feel are already inadequate, bottled water has the added concerns of contamination and dubious sources. More extensive regulatory and enforcement policies are needed. The regular consumer of bottled water is given tips on how to find out about the health quality of his specific brand.
Availability: Available for interlibrary loan from OOFF under WACE number 00068

615 (091845)
SCOTT, A. * **Great Lakes water diversions : America's water shortage could become Canada's problem if proposed schemes to channel water south turn into reality** (see entry number 375 for complete reference)

616 (090036)
WOOD, J.B. ; CHESTERS, G. * **How to influence environmental policymaking** (see entry number 726 for complete reference)

617 (090006)
VICKERS, A. * **Water-use efficiency standards for plumbing fixtures : benefits of national legislation** (see entry number 758 for complete reference)

Creative Works (Literature, Cartoons ...)

618 (093193)
MSU Institute of Water Research, GEM Program * **Water wisdom** * GEM Program, MSU Institute of Water Research , East Lansing, MI, US * nd * 10p

Water Wisdom is a series of one page games and quizzes for all ages covering topics related to groundwater. Groundwater protection, water conservation and household hazardous waste disposal are among the topics covered. Matching games, multiple choice questions, and scrambles are some of the formats used to impart the information.
Availability: Available for interlibrary loan from OOFF under WACE number 00385; Also available from The GEM Program, Institute of Water Research, Michigan State University, 334 Natural Resources Bldg, East Lansing, MI, US 48824 (517) 353-3742

Audiovisual Material

619 (092284)
American Water Works Association * **Always pure, never runs dry** * American Water Works Association , Denver, CO, US * 1981 * 1 videocassette (17 min) : sd, col, VHS

This full-colour video demonstrates through real-life situations what it takes to provide safe, reliable drinking water at reasonable prices. It makes it clear that water rates must increase but that water will remain the most inexpensive treated resource. The tape is ideal for tours, short talks, and other public information programs.
Availability: Available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US (303) 795-2449, FAX (303) 794-7310

620 (093313)
League of Women Voters of Michigan * **Drinking water : quality on tap** (see entry number 606 for complete reference)

621 (091832)
Encyclopaedia Britannica Educational Corporation * **Problems of conservation : water**. - 2nd edition * Britannica Learning Materials , Cambridge, Ont * 1990 * 1 videocassette (16 min, 16 sec) : sd, col, VHS

Fresh water is one of the most precious resources on the Earth. As citizens of planet Earth, we face the danger of destroying this resource by overusing it and polluting to the point that it is unfit for use by human beings and wildlife. This program illustrates examples of both of these conservation problems. Early sequences focus on the effects of diverting large amounts of a lake's water supply to meet the needs of a major city. The result is the virtual destruction of the lake. Ground can be contaminated in several ways, such as by landfills and toxic chemicals. This program also shows how water can be treated in order to return it to a pure state.
Availability: Available at cost from Encyclopaedia Britannica Educational Corporation, 310 South Michigan Ave, Chicago, IL, US 60604 (312) 347-7900 Ext 6579

622 (091795)
American Water Works Association * **What do you know about H2O?** * Sci-Med Production , New York, NY, US * 1 videocassette (22 min) : sd, col, VHS

This video presentation on water use and water conservation in the United States is designed to educate the consumer about the significance of depleting water resources. It contains many interesting facts

about water and shows how much water is used and wasted in the United States. It is intended to increase community awareness of the need for immediate water conservation practices.
Availability: Available at cost from the American Water Works Association, Customer Services Department, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 794-7711, FAX (303) 794-7310 (Cat no 65001)

Posters, Charts

623 (093190)
University of Michigan Biological Station, Regional Groundwater Center * **Household hazardous waste disposal** * Regional Groundwater Center, University of Michigan Biological Station , Pellston, MI, US * nd * 1 poster : col, 28x43 cm

Proper methods for disposing of many of the common hazardous products we have in our homes are featured on this easy-to-use wall chart. Products are listed under the area in the home they are used in (ie, kitchen, bathroom, garage, etc) and methods of disposal range from pouring the product down the drain to waiting for collection by a hazardous wastes contractor.
Availability: Available from the Regional Groundwater Centre, University of Michigan Biological Station, Pellston, MI, US 49769 (616) 539-8789

624 (093191)
University of Michigan Biological Station, Regional Groundwater Center * **Ten steps to protect your drinking water** * Regional Groundwater Center, University of Michigan Biological Center , Pellston, MI, US * nd * 1 poster : col, 28x43 cm

Ten things that individuals can do to help protect their groundwater are listed and briefly explained on this poster. The poster explains how by doing such things as plugging abandoned wells, removing old underground storage tanks, maintaining the septic system and being a conscientious consumer, you can ensure that your water supply remains safe to drink.
Availability: Available from the Regional Groundwater Center, University of Michigan Biological Station, Pellston, MI, US 49769 (616) 539-8789

Directories, Catalogues

625 (083183)
International Joint Commission, Great Lakes Regional Office ; International Joint Commission, Great Lakes Regional Office * **Directory of Great Lakes education material**. - Third edition (see entry number 388 for complete reference)

Guides - Non-Classroom Use

626 (093253)
United States Environmental Protection Agency, Office of Water, Office of Drinking Water * **Lead in school drinking water** * United States Environmental Protection Agency, Office of Water , Washington, DC, US * Jan 1989 * 57p

This manual is intended to assist the school official in responding to local concerns about lead in his school's drinking water supply. It provides general information on: the significance of lead in school drinking water and specifically its effects on children; how to detect the presence of lead in the school's water and how to pinpoint its source; the steps the school can take to reduce or eliminate lead in its drinking water; and, how to train school personnel in sampling and remedial programs. The information is helpful in preparing informational materials such as bulletins and handouts for the community.
Availability: Available for interlibrary loan from OOFF under WACE number 00461; Also available free from the US Environmental Protection Agency, Region 5, 230 Dearborn St, Chicago, IL, US 60604 (312) 353-6198, FAX (312) 353-1155

Elementary Secondary Education

Bibliographies

627 (093254)
US Department of Agriculture, Extension Service, Water Quality Initiative Team * **Bibliography : Cooperative Extension System's water quality educational materials**. - Revised edition * Extension Service, US Department of Agriculture , Washington, DC, US * Sept 1991 * 178p

Water quality educational resource materials used in the United States are provided in this bibliography. Resources including publications, fact sheets, audiovisual materials, and computer softwater, are grouped into eight categories: conservation, drinking water quality, nutrient management, pest management, testing, waste management, wells, and other. The bibliography is arranged by category and by state and each item is referenced by intended audience such as general, residential, youth, and agricultural. Each entry lists all the information provided by the state, including the category, title of the product, state publication number assigned by the state, a description of the item, the intended audience, date of publication, and cost of the item.
Availability: Available for interlibrary loan from OOFF under WACE number 00460; Also available free from the Extension Service, US Department of Agriculture, Washington, DC, US 20250-0100

628 (093197)
PERLIN, M.E. (ed) ; PARKER, K. (ed) ; HELSTOWSKI, L. (ed) * **Groundwater reference guide : an annotated bibliography of publications related to groundwater protection** (see entry number 539 for complete reference)

Directories, Catalogues

629 (092263)
American Ground Water Trust * **Ground water education in America's schools : a catalog of resource materials for elementary and secondary education professionals**. - Second edition * American Ground Water Trust , Dublin, OH, US * Aug 1991 * 41p

This catalogue is geared to American elementary and secondary school teachers to help them select resource material on groundwater. Organized alphabetically by title, each catalogue entry gives a description of the item, ordering information, intended grade level, and source. Although the focus is American, many of the items provide general information on groundwater.
Availability: Available for interlibrary loan from OOFF under WACE number 00345; Also available from The American Ground Water Trust, 6375 Riverside Dr, Dublin, OH, US 43017 (614) 761-2215

630 (092615)
Water Pollution Control Federation, Public Education Committee * **The water quality catalog : a source book of public information materials** (see entry number 541 for complete reference)

Teaching Guides

631 (090737)
COON, H.L. ; PRICE, C.L. * **Water-related teaching activities** * ERIC Center for Science, Mathematics, and Environmental Education, College of Education, Ohio State University , Columbus, OH, US * June 1977 * 149p

This manual provides teachers with over 100 water-related teaching activities divided into elementary, and junior and senior high school levels. Each activity takes the form of a project, experiment, school trip, or a story with follow-up questions. Each activity includes a purpose, the student level it is geared to, the broad subject area, the concept to be examined, and a detailed description of the activity. Concepts covered include water quality, water properties, water use, water availability, water pollution, and water conservation. A catalogue of teaching resources including films, filmstrips, and water testing equipment with addresses of film distributors is included at the end of the manual.

Library location: AEU

Availability: Available for interlibrary loan from OOFF under WACE number

632 (093311)
North Dakota State Water Commission * **Wet : water education for teachers** * North Dakota State Water Commission ,Bismarck, ND, US * 1985-1991 * 1 kit : 2 teacher's guides; activity sheets; reference material

Water Education for Teachers (WET), is an interdisciplinary, supplementary water education program for North Dakota educators. Designed for Grades K-12, the teacher's guides contain activities covering a wide range of water concepts as they relate to North Dakota. Students learn about North Dakota's ground water, surface water, and climate, in addition to other interesting water topics. Special emphasis is given to strengthening the student's understanding of the importance of water to all human activities and to the belief that wise water management and development is essential to North Dakota's future social and economic livelihood and prosperity. Suggested reading and additional reference materials are also included in the kit. The supplementary leaflets and pamphlets that make up the kit cover various aspects of North Dakota's water situation including the Garrison Diversion Unit, a history of the Southwest Pipeline Project, trends in water use and estimated water use for North Dakota, North Dakota's groundwater resources, and a glossary of water-related terms.

Availability: Available at cost from the North Dakota State Water Commission, 900 East Boulevard Ave, Bismarck, ND, US 58505-0850 (701) 224-2750, FAX (701) 224-3696

Serials, Journals

633 (093329)
Illinois-Indiana Sea Grant Program * **The HELM : happenings and educational activities around Lake Michigan** (see entry number 612 for complete reference)

634 (093314)
Massachusetts Water Resources Authority * **Water matters : an educator's newsletter from the Massachusetts Water Resources Authority** * Massachusetts Water Resources Authority , Boston, MA, US * 1988-

This newsletter, published three times a year (fall, winter and spring), is designed for environmental educators of both elementary and secondary school students. Although the focus is on the State of Massachusetts, the word searches, puzzles, and quizzes can have general use. The newsletter contains water facts and short articles on water activities both within and outside the State of Massachusetts.

Availability: Available from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

Journal Articles

635 (093236)
SHARFF, B. * **Teachers enjoy getting WET** * In: The Oxbow * North Dakota State Water Commission , Bismarck, ND, US * Jan 1991 * 11(1) 10-15

Elements of the WET workshop for teachers organized by the North Dakota State Water Commission are described. WET is an interdisciplinary, supplementary water education program which promotes the awareness and appreciation of North Dakota's water resources through the development and the use of classroom-ready teaching aids. One particular workshop on thunderstorms is highlighted to show how the WET program uses active hands-on experiences and learning and demonstrating activities to illustrate the nature of thunderstorms. This guided imagery technique is used to increase student skill and imagination in writing and to teach students the value of conserving and managing North Dakota's water resources.

Availability: Available for interlibrary loan from OOFF under WACE number 00434

Elementary Education

Teaching Guides

636 (092264)
US Environmental Protection Agency, Great Lakes National Program Office * **Great minds? Great Lakes! Don't miss the boat with environmental education** (see entry number 392 for complete reference)

637 (091777)
CADUTO, M.J. ; BRUCHAC, J. * **Keepers of the earth : native stories and environmental activities for children.** - First Canadian edition (see entry number 70 for complete reference)

638 (091040)
Southern Arizona Water Resources Association, Inc * **A sense of water : teaching materials for elementary grades** * Southern Arizona Water Resources Association, Inc , Tucson, AZ, US * 1984 * 134p

This is a book for teachers geared toward students from kindergarten to grade twelve. This water guide is divided into chapters that address water concepts ranging from the unique properties of water to the effect of water on geography and society. A narrative short course based on the framework and an extensive glossary prepare the teacher to effectively teach about water, the water cycle, regional conditions, water uses and issues, and conservation. Each lesson provides objectives, concepts, key vocabulary, materials needed, background information, grade level, subject area reference, and time requirement, as well as instructions for an introduction, activity, closure, and evaluation. Although several lessons are designed to teach about water in the arid Southwest, there are a wealth of water topics that have universal application.(au)
Availability: Available for interlibrary from OOFF under WACE number 00078; Also available from the Southern Arizona Water Resources Association Inc, 465 West St Mary's Road, Tucson, AZ, US 85705 (602) 624-9000

639 (093199)
Massachusetts Water Resources Authority * **Water wizards : school program on water conservation for third and fourth grade levels** * Massachusetts Water Resources Authority , Charlestown, MA, US * nd * 30p

This manual provides educators with curriculum resources to introduce concepts of water supply and water conservation to third and fourth grade students. The lesson units are designed to provide a background in basic environmental principles necessary for the students' understanding of where safe drinking water comes from and why it is important to conserve water. The manual contains five lessons, each of which introduces a water concept. Each lesson includes background information, key concepts, a lesson plan that includes objectives, procedures, vocabulary and tips for teaching, and several "hands-on" activities. Reproducible student worksheets are contained in the back pocket of the guide. Specific lessons and/or activities may be individually taught.
Availability: Available for interlibrary loan from OOFF under WACE number 00389; Also available from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

Conference Papers, Speeches

640 (091033)
MCMURRAY, W. * **Major rivers : elementary water education program** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 931-934

Curriculum development of a water education program aimed at fourth grade students in Austin, Texas, is described. Discussed are the various phases in the developmental process from conception to implementation. The program, Major Rivers, covers the water cycle, Texas water supply, water distribution, water use, and water conservation and is now being successfully used by 60,000 Austin students. Components of the program include a teacher's resource guide, student booklet, home information leaflet, pre- and post-test, wall poster, sticker badge, and evaluation sheets and test scores.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00074

Creative Works (Literature, Cartoons ...)

641 (091777)
CADUTO, M.J. ; BRUCHAC, J. * **Keepers of the earth : native stories and environmental activities for children**. - First Canadian edition (see entry number 70 for complete reference)

Primary Education

Teaching Guides

642 (092278)
American Water Works Association * **The story of drinking water : teacher's guide : primary level, grades 1, 2, 3** * American Water Works Association , Denver, CO, US * 1984 * 29p

This teacher's guide is written to complement the booklet The Story of Drinking Water for a more intensive water education program. It makes the student book adaptable to the primary grades (grades 1-3). Contained in the guide is a complete sequence of lessons, reproducible student activity pages, ideas for expanded instruction, and a glossary. Water-related lessons in science, language, social studies and mathematics are included.
Availability: Available for interlibrary loan from OOFF under WACE number 00351; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

Serials, Journals

643 (091083)

SuperScience : red edition * Scholastic Inc , New York, NY, US * Spring 1989 * 16p * 1 poster : col, 80x55 cm

This magazine provides activity-based, hands-on science for grades 1 to 6. It concentrates on easy-to-do classroom and at-home science activities using readily available items such as straws, paper towels, yogurt containers and water. Teachers can use the activities to integrate science with language arts, social studies and mathematics objectives already in place in the classroom. The This spring 1989 issue focuses on the water cycle and rainfall. A wall poster illustrating the water cycle is provided. Supplementary activities like word searches, read-to-me-stories and poems, and quizzes are included.
Availability: Available for interlibrary loan from OOFF under WACE number 00044

Journal Articles

644 (090020)
LENNERT, J.W. * **The flooding of North America** (see entry number 73 for complete reference)

Intermediate Grades

Guides

645 (093246)
PENNISI, C. * **Appreciating your Great Lakes : a guide for developing educational projects** * Illinois-Indiana Sea Grant Program, University of Illinois , Rolling Meadows, IL, US * June 1989 * 96p

Expanding young people's curiosity and knowledge of the Great Lakes is an effective way to secure future commitment to protecting and developing this fascinating and valuable resource. This project guide provides references to help 4-H youth leaders or school teachers build programs for 4-H members or students in grades 6-12. It is a compilation of resources and activity suggestions for teaching young people about the Great Lakes through training and field experience in ecology, marine careers, natural resources, economics, history, recreation, and culture. The reference section which lists audiovisuals, maps and charts, computer software, and publications is categorized by the four activity sections of the guide - Recreation, Heritage, Ecology, and Economics. Each reference citation includes information about the resource and its availability.
Availability: Available for interlibrary loan from OOFF under WACE number 00458; Also available at cost from the Illinois-Indiana Sea Grant Program, University of Illinois at Urbana-Champaign, 65 Mumford Hall, 1301 W Gregory Dr, Urbana, IL, US 61801

Guides - Classroom Use

646 (092441)
Soil and Water Conservation Society * **Water in your hands** * Soil and Water Conservation Society , Ankeny, IA, US * nd * 1 kit (2 pieces) : 1 teacher's guide (11p): 13 ref, 3 fig; 1 booklet (15p): ill

This kit, geared to the intermediate grades, contains a teacher's guide and a full-colour booklet designed to improve children's understanding of water and their place in the hydrologic cycle. It focuses on awareness of water quality and how individuals can help prevent water pollution. The teacher's guide includes background information, activity sheets that can be duplicated, and a list of resources. The booklet uses cartoons and a character called Fresh Water to explore water quality and supply problems, discover the importance of a sustained supply of high-quality water, and learn how to prevent misuse and pollution of water resources.
Availability: Available for interlibrary loan from OOFF under WACE number 00285; Also available at cost from the Soil and Water Conservation Society, 7515 NE Ankeny Rd, RR #1, Ankeny, IA, US 50021-9764

Teaching Guides

647 (092468)
American Water Works Association, California/Nevada Section * **Project water works** * American Water Works Association , Denver, CO, US * 1990 * 1 kit (3 pieces) : 2 diskettes (3.5 in); 1 teacher's guide (iii, 88p): fig

This kit, with two diskettes and a teacher's workbook, contains a unique program designed to teach students in grades 6 through 12 about water science, including chemistry, water management, ecology, and political issues surrounding water use and conservation. The program makes learning fun with colorful graphics, on-screen science experiments, and positive reinforcement messages. Project Water Works contains the following programs: Journey to Earth, where students probe the surface of the earth via spacecraft in search of fresh water resources; Water Labs where students are presented with a variety of observable phenomena; Hydrologic Cycle where students travel 40, 000 meters above the earth's surface to locate water-related problem areas; and, Water Management where students explore water conservation measures, water management principles and political concerns. The program operates on Apple II Plus, Apple IIE, or Apple IIC computers. The workbook includes a series of activities, experiments. and water-related projects that supplement the computer program.
Availability: Available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

648 (092277)
American Water Works Association * **The story of drinking water : teacher's guide : intermediate level, grades 4, 5, 6**. - Second edition * American Water Works Association , Denver, CO, US * 1988 * 43p

This teacher's guide is written to complement the booklet The Story of Drinking Water for a more intensive water education program. It makes the student book adaptable to the intermediate grades (grades 4-6). Contained in the guide is a complete sequence of lessons, reproducible student activity pages, ideas for expanded instruction, and a glossary. Water-related lessons in science, language, social studies and mathematics are included.
Availability: Available for interlibrary loan from OOFF under WACE number 00352; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

Conference Papers, Speeches

649 (091035)
KEATING, L. * **Water conservation : curriculum in action** (see entry number 652 for complete reference)

Computer Programs

650 (092468)
American Water Works Association, California/Nevada Section * **Project water works** (see entry number 647 for complete reference)

Posters, Charts

651 (092616)
American Water Resources Association ; US Department of the Interior, Geological Survey ; US Department of the Interior, Bureau of Reclamation ; US Department of the Interior, Bureau of Land Management * **Water : the resource that gets used & used & used for everything!** * American Water Resources Association , Bethseda, MD, US ; US Geological Survey , Denver, CO, US * 1986? * 1 poster : col, 88x62 cm; 1 poster : b&w, 88x62 cm

This multi-coloured water education wall poster traces the passage of water through the natural and manmade environment showing the many instream and offstream uses of water including recreation, hydroelectric power, transporation, wastewater treatment, and agriculture. Geared to the middle school

grades in the United States, the poster also contains educational text and projects on the backside useful for the teacher or parent. A second one-sided black and white poster contains the same drawing as the multi-coloured poster and provides an opportunity for the students to colour and learn about water use at the same time.
Availability: Available for interlibrary loan from OOFF under WACE number 00373; Single copies are available free of charge from the USGS Books & Open-File Reports Section, Box 25425, Denver, CO US 80225-0425 (303) 236-7476

Information Analyses, Viewpoints

652 (091035)
KEATING, L. * **Water conservation : curriculum in action** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 1021-1022

Active participation in water conservation by Grade 6 and 7 students in Waterloo, Ontario, has been a great success. As part of an action-oriented curriculum package funded by the Regional Municipality of Waterloo, the students were provided with retrofit kits which they not only installed in their own homes but expanded to include 10,000 other homes as well as in all facilities operated by the Waterloo County Board of Education. A yearly saving of 28 million gallons of water will be realized in the school facilities alone.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00076

Secondary Education

Books, Booklets

653 (090044)
LEOPOLD, L.B. ; DAVIS, K.S. * **Water** (see entry number 557 for complete reference)

Guides

654 (093246)
PENNISI, C. * **Appreciating your Great Lakes : a guide for developing educational projects** (see entry number 645 for complete reference)

655 (093313)
League of Women Voters of Michigan * **Drinking water : quality on tap** (see entry number 606 for complete reference)

Teaching Guides

656 (092468)
American Water Works Association, California/Nevada Section * **Project water works** (see entry number 647 for complete reference)

657 (092445)
Ecowater Systems * **The water in your life : educational program** * Ecowater Systems * nd * 1 kit (22 pieces) : 20 leaflets; 1 poster: col, 87x57 cm; 1 videocassette (10 min): sd, col, VHS

This kit, suitable for the secondary school student, provides information and activities on all aspects of water. The twenty leaflets cover such topics as the hydrological cycle and the importance of groundwater, methods of treating drinking and cooking water, protecting our water supply, sources of water contamination, water conservation in the home, water facts and trivia, experiments with water, and common water problems. Objectives, activities, review questions, and vocabulary are included with each leaflet. A colour wall poster showing how water quality is affected during nature's cycle is included. The 10-minute video presents water facts and information on how to treat, protect and conserve water, discusses the sources of water contamination, and stresses the importance of good quality water.
Availability: Available for interlibrary loan from OOFF under WACE number 00312; Also available from Ecowater Systems, 891 Rowntree Dairy Rd, Woodbridge, Ont L4L 5W3 (416) 851-6735 FAX (416) 851-8241

Audiovisual Material

658 (093313)
League of Women Voters of Michigan * **Drinking water : quality on tap** (see entry number 606 for complete reference)

Computer Programs

659 (092468)
American Water Works Association, California/Nevada Section * **Project water works** (see entry number 647 for complete reference)

Junior High Schools

Teaching Guides

660 (092281)
American Water Works Association * **The story of drinking water : teacher's guide : advanced level, grades 7, 8, 9** * American Water Works Association, Denver, CO, US * 1984 * 35p

This teacher's guide is written to complement the booklet The Story of Drinking Water for a more intensive water education program. It makes the student book adaptable to junior high school students (grades 7-9). Contained in the guide is a complete sequence of lessons, reproducible student activity pages, ideas for expanded instruction, and a glossary. Water-related lessons call for higher thinking skills in science and social studies.
Availability: Available for interlibrary loan from OOFF under WACE number 00353; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

661 (091064)
Water Pollution Control Federation * **Wastewater treatment** * Water Pollution Control Federation , Alexandria, VA, US * 1987 * 1 kit (3 pieces) : 1 videocassette (10 min, 48 sec): sd, col, VHS; 1 teacher's guide (47p): fig; 1 student handbook (30p): ill

This kit contains a videocassette, a teacher's guide and a student's guide on wastewater treatment, and is geared to Grades 7 to 9. The videocassette uses computer graphics and special effects to describe the water cycle, wastewater treatment, the physical, chemical and biological processes nature uses to purify water and the links between surface water, groundwater, drinking water, and wastewater. The teacher's guide suggests approaches to teaching wastewater treatment, provides activities for class discussion, demonstration, and field trips and supplies tests. The student's resource guide covers the same material as the videocassette but uses vivid illustrations and related activities to explain and reinforce the processes in wastewater treatment.
Availability: Available for interlibrary loan from OOFF under WACE number 00094; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

662 (093194)
Massachusetts Water Resources Authority * **Water watchers : water conservation curriculum for junior high school science and social studies classes**. - Updated edition * Massachusetts Water Resources Authority, Charlestown, MA, US * 1987 * 43p

This guide is designed for seventh and eighth grade science and social studies teachers. It contains key concepts and learning objectives for five core lessons with instructions for conducting the lessons, an Optional Activities section with suggestions for special projects, a Resources section listing water-related agencies in both public and private sectors, and a Bibliography with references used for this curriculum. The five core lessons examine the relationship of the water cycle to water supply, the metropolitan water delivery system, water supply case study of a fictional New England town, analysis of home water use, and conservation measures for home water use. Materials for this program include a teacher's guide and set of fourteen masters for student worksheets, a water science kit, a water conservation kit, films and a water decision-making game. Active student involvement in classroom and home assignments is encouraged and suggestions for involving parents and the community are included.
Availability: Available for interlibrary loan from OOFF under WACE number 00388; Also available from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

Journal Articles

663 (090013)
HOEKSTRA, B. * **The groundwater terrarium : geology on a small scale** * In: Science teacher * May 1982 * 44-46

Instructions are provided on how to build a groundwater terrarium suitable for use by junior high school students. This terrarium represents a panoramic close-up of the interactions of water, soil, and living things and can be used to observe how water pollution occurs. Students can observe geological cycles particularly the water cycle and its effects as well as the activities of springs, watersheds, aquifers, groundwater contamination, and erosion.
Availability: Available for interlibrary loan from OOFF under WACE number 00012

Audiovisual Material

664 (091064)
Water Pollution Control Federation * **Wastewater treatment** (see entry number 661 for complete reference)

Posters, Charts

665 (092616)
American Water Resources Association ; US Department of the Interior, Geological Survey ; US Department of the Interior, Bureau of Reclamation ; US Department of the Interior, Bureau of Land Management * **Water : the resource that gets used & used & used for everything!** (see entry number 651 for complete reference)

High Schools

Teaching Guides

666 (093198)
Massachusetts Water Resources Authority ; Writing Company ; Maplewood Educational Consultants * **Water wisdom : 24 stand-alone activities on water supply and water conservation for high school students** * Massachusetts Water Resources Authority , Charlestown, MA, US * nd * vp

A water conservation program for high school students, this manual consists of 24 stand-alone activities and teacher support materials. Most of the activities are designed to be completed in one class period but some of them extend into a second period. The lessons are divided into six broad categories: The Water Cycle, Water and Society, Keeping Water Pure, Visualizing Volumes, The Economics of Water Use, and Domestic Water Conservation. The seventh section, Auditing Your School, entails a comprehensive water audit of the school building itself. In addition, the program contains activity ideas, worksheets, articles and readings, a collection of "dilemmas" for class discussion and independent research, recommended films, a bibliography of water in literature, a reference guide, and a glossary.
Availability: Available for interlibrary loan from OOFF under WACE number 00387; Also available from MWRA School Programs, Charlestown Navy Yard, 100 First Ave, Boston, MA, US 02129 (617) 242-7110

Journal Articles

667 (090027)
KOYAMA, K. * **A holistic approach to water ecology** * In: American biology teacher * Feb 1980 * 42(2) 116-117

A water ecology unit offered at Alameda Senior High School in Lakewood, California is described. This unit on field biology, concentrates on the outside environment, requires four to five weeks for completion, and includes one field trip each week. Areas studied include water treatment with a visit to a plant, an abiotic stream study involving chemical analysis of streamwater using Hack test kits and Millipore apparatus, and a study using on-site observations to relate stream organisms to the abiotic factors and to recognize adaptations of these organisms to the stream environment. Issues are outlined for promoting interactive questions and answer sessions by students in order to recognize environmental interrelationships and get a total picture of water ecology including the effects of pollutants on stream organisms.
Availability: Available for interlibrary loan from OOFF under WACE number 00048

Postsecondary Education

Journal Articles

668 (091794)
MCLELLON, W.M. * **Student water use** * In: Journal - American Water Works Association * Apr 1991 * 83(4) 132-133

This article shows that water use by 252 Florida senior-level students over an eight-year period was mainly for flushing toilets (24.7%) and personal cleanliness (58.2%). The mean domestic demand of 89 gpcd compares well with values reported in the literature.

Availability: Available for interlibrary loan from OOFF under WACE number 00157

Elementary Education

Posters, Charts

669 (092294)
American Water Works Association * **Educational poster series** * American Water Works Association , Denver, CO, US * 1986-1988 * 3 posters : col, 28x21 cm; 3 posters : b&w, 28x21 cm; 3 posters : col, 71x51 cm; 3 posters : b&w, 71x51 cm

This colourful and educational poster series on water contains three two-sided wall posters and identical student handouts, three-hole punched for insertion in loose-leaf notebooks. Each poster is a valuable teaching aid for children and adults as they illustrate basic water processes and answer commonly asked questions. The wall posters are perfect for decorating the classroom in a water theme. The set includes three posters in full colour with black and white bonus posters on the reverse side. Topics illustrated in the colour posters are a water system, a treatment plant, and the water cycle. Topics illustrated in black-and-white on the reverse side are groundwater systems, water careers, and using water wisely. The student handouts are sold in classroom sets of 20, that is, 90 total sheets.

Availability: Available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

Primary Education

Instructional Material

670 (092280)
American Water Works Association * **Splash! Activity book** * American Water Works Association , Denver, CO, US * 1990 * 16p

This activity booklet was designed for children in kindergarten through fourth grade. It contains a variety of cross-curriculum activities centred around water including word games, number games, and lots of opportunities to use crayons.

Availability: Available for interlibrary loan from OOFF under WACE number 00355; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

671 (092276)
BOCK, R. * **The story of drinking water** * American Water Works Association , Denver, CO, US * 1990 * 15p

This full-colour illustrated booklet is an effective and fun way for school-age children to learn about drinking water. It defines water and describes the natural water cycle. It explains where water is found and how it is treated and distributed. It is full of fun facts on water usage with lots of tips for water conservation. The Story of Drinking Water is ideal for classroom use when supported with the AWWA Teacher Guides. The booklets also make excellent handouts for plant tours or classroom visits. The Spanish and French translations are very popular teaching tools for foreign language classes and for non-English instruction.

Availability: Available for interlibrary loan from OOFF under WACE number 00350; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

672 (092279)
American Water Works Association * **Water fun for you** * American Water Works Association , Denver, CO, US * 1986 * 15p

Best suited for ages 5-9, this educational colouring and game book has drinking water as its theme. Activities include crossword puzzles, word games, number games and colouring fun.

Availability: Available for interlibrary loan from OOFF under WACE number 00354; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

673 (090018)
Department of the Interior, US Fish and Wildlife Service * **Wetlands coloring book** * US Fish and Wildlife Service, Department of the Interior * 1988 * 20p

This reproducible colouring book, suitable for primary grades, focuses on wetland information and education. It is geared to the American child with examples drawn from the United States such as the Florida Everglades. A simple description on each page focuses on some aspect of wetlands such as the different types of wetlands, the types of wildlife that uses wetlands for their home, the availability of food in marshes and other types of wetlands, the importance of wetlands to hunters and fishermen, how wetlands protect our homes from the weather, wetland destruction through draining, and wetlands as wildlife refuges.

Availability: Available for interlibrary loan from OOFF under WACE number 00043; Also available at cost from the Superintendent of Documents, US Government Printing Office, Washington, DC, US 20402

Creative Works (Literature, Cartoons ...)

674 (090045)
COLE, J. * **The magic school bus at the waterworks** * Scholastic Inc , New York, NY, US * 1986 * 41p

This story is told by elementary schoolchildren who take an imaginary trip on a school bus driven by their conscientious teacher, Mrs Frizzle. The trip focuses on ten water facts which are explained by imaginary trips through the air, clouds and rain, through a visit to a city's reservoir with its sand and gravel filters and settling basins, through the city's water pipes, mains, and faucets, and then back to the classroom. The water facts explained include the water cycle, water purification, evaporation, water pressure, water quality, water conveyance, water conservation, precipitation, and water availability.
Library location: QMJ
Availability: Available through interlibrary loan from OOFF under WACE number 00079

675 (092280)
American Water Works Association * **Splash! Activity book** (see entry number 670 for complete reference)

676 (092279)
American Water Works Association * **Water fun for you** (see entry number 672 for complete reference)

Posters, Charts

677 (092295)
American Water Works Association * **Using water wisely** * American Water Works Association , Denver, CO, US * 1989 * 1 poster : col, 61x45 cm; 1 poster: b&w, 61x45 cm

This poster promotes wise water use among young children. Fun circus characters teach children in kindergarten through fourth grade how to conserve water. Bright colours and playful animals make the learning process exciting and easy. The poster is duplicated on the back in black and white so that children can exercise their creative talents with crayons or markers while reinforcing the conservation message.
Availability: Available at cost from the American Water Works Association, Youth Education Program, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 794-7711, FAX (303) 794-7310

Intermediate Grades

Dictionaries, Glossaries

678 (093211)
North Dakota State Water Commission * **Water words : a glossary of water-related terms** * North Dakota State Water Commission , Bismarck, ND, US * 1988 * 11p

This glossary of water-related terms is suitable for the intermediate and secondary school student. It contains approximately 300 terms with simple explanations of each. The terms cover such areas as surface water, groundwater, water quality, water treatment, the hydrologic cycle, floods, irrigation, streamflow and wastewater.
Availability: Available for interlibrary loan from OOFF under WACE number 00394; Also available from the North Dakota State Water Commission, 900 East Blvd, Bismarck, ND, US 58505 (701) 224-2750

Books, Booklets

679 (093213)
Acid Rain Foundation Inc ; Minnesota Department of Education ; Minnesota Department of Health ; Minnesota Department of Natural Resources ; Minnesota Pollution Control Agency * **Acid rain in Minnesota**. - Revised edition (see entry number 543 for complete reference)

Fact Sheets, Brochures, Leaflets

680 (093196)
Channing I Bete Co Inc * **About wastewater treatment** * Channing L Bete Co Inc , South Deerfield, MA, US * 1989 * 15p

This pamphlet uses illustrations and simple, concise descriptions to explain all about wastewater treatment. It answers many questions including What is wastewater treatment, Why are wastewater treatment plants important, Where does wastewater come from, How do treatment plants protect our water, How does a wastewater treatment plant work, and How can an individual improve wastewater treatment. Supplementary information on sludge utilization and

special challenges in treating wastewater is also provided.
Availability: Available for interlibrary loan from OOFF under WACE number 00390

Instructional Material

681 (093212)
STUBBS, H.S. ; KLINKHAMMER, M.L. ; KNITTIG, M. * **The acid rain reader** * Acid Rain Foundation , Raleigh, NC; US * 1989 * 18p

This reader describes in a simple, straightforward manner the various terms used in explaining acid rain. These include the water cycle, fossil fuels, air pollution, superstacks, the pH scale, neutralizing, aquatic ecosystems, land ecosystems, the food chain, and biological indicators. Solutions to the acid rain problem are also discussed. The publication is suitable for use in intermediate and junior highschool classrooms and can be used independently or in conjunction with an interdisciplinary curriculum. The student is invited to think of ways he can save energy and is advised to keep on learning and being informed about acid rain.
Availability: Available for interlibrary loan from OOFF under WACE number 00402; Also available at cost from The Acid Rain Foundation, 1410 Varsity Dr, Raleigh, NC, US 27606 (919) 828-9443

682 (093184)
Michigan United Conservation Clubs * **Groundwater** * In: Tracks * Michigan United Conservation Clubs , Lansing, MI, US * 1990? * 4p

Devoted solely to the topic of groundwater, this special issue of the newsletter TRACKS is aimed at students in grades 4 to 7. The publication provides a wide variety of information on groundwater as it relates to the community, industry, and agriculture. It is excellent supplemental material for classroom activities or curriculum on groundwater.
Availability: Available for interlibrary loan from OOFF under WACE number 00384; Also available at cost from the Michigan United Conservation Clubs, PO Box 30235, Lansing, MI, US 48909 (517) 371-1041

683 (090016)
PARKER, S. * **The Marshall Cavendish science project book of water** * Marshall Cavendish Corporation , Long Island, NY, US * 1986 * 43p

This brightly-illustrated booklet for the intermediate grades contains lots of scientific facts and experiments to help the student find out more about water and its strange properties. The simple step-by-step experiments and related projects clarify for the student the composition of water, how plants get water, the properties of steam and ice, the water cycle, water's floating and sinking properties, and water surface tension. The student can build the models and conduct the experiments using materials readily available in the home. A simple description including relevant scientific facts precedes each property examined.
Library location: QMJ
Availability: Available for interlibrary loan from OOFF under WACE number 00040

684 (092276)
BOCK, R. * **The story of drinking water** (see entry number 671 for complete reference)

685 (091015)
BRANLEY, F.M. * **Water for the world** * Fitzhenry and Whiteside Limited , Toronto, Ont * 1982 * 95p

This monograph examines sources of the world's water supply, methods of getting water to where it is needed, the dangers of pollution, and the need for conservation. Geared to the intermediate grades, it provides simple descriptions of surface water, groundwater, glaciers and icebergs, wells and springs, and the water cycle. Sewage disposal, as a major cause of water pollution, is explained with the aid of illustrations of a community septic system and a water treatment plant.
Library location: QMJ
Availability: Available for interlibrary loan from OOFF under WACE number 00080

Creative Works (Literature, Cartoons ...)

686 (093193)
MSU Institute of Water Research, GEM Program * **Water wisdom** (see entry number 618 for complete reference)

Audiovisual Material

687 (093201)
Ecology Center of Ann Arbor * **It's found underground** * Ecology Center of Ann Arbor , Ann Arbor, MI, US * Jan 1991 * 1 videocassette (31 min) : sd, col, VHS

Youths in upper elementary and middle school are the target audience of this videotape which contains three, five-minute segments entitled Groundwater, Our Buried Treasure, Water Conservation and Pollution, and Solid Waste and Groundwater. These segments contain many groundwater concepts including aquifers, groundwater recharge, groundwater movement, the hydrologic cycle, effects of hazardous wastes on groundwater, sources of groundwater contamination, the importance of water conservation, the effect of leaking underground storage tanks and leaching from sanitary landfills on groundwater. These concepts are presented by a character called Drip who converses with the children. The fourth segment is designed for the educator and stresses the importance of groundwater education and making children aware of the political process and groups involved in environmental and groundwater protection. This segment also suggests information resources on groundwater that are available for the teacher. ***Availability:*** Available at cost from The Ecology Center of Ann Arbor, 417 Detroit St, Ann Arbor, MI, US 48104 (318) 995-5888

Secondary Education

Atlases

688 (072789)
Environment Canada, Conservation and Protection, Ontario Region ; United States Environmental Protection Agency, Great Lakes National Program Office ; Brock University, Institute of Urban and Environmental Studies ; Northwestern University, Center for Urban Affairs and Policy Research * **The Great Lakes : an environmental atlas and resource book** (see entry number 427 for complete reference)

Dictionaries, Glossaries

689 (093211)
North Dakota State Water Commission * **Water words : a glossary of water-related terms** (see entry number 678 for complete reference)

Books, Booklets

690 (093213)
Acid Rain Foundation Inc ; Minnesota Department of Education ; Minnesota Department of Health ; Minnesota Department of Natural Resources ; Minnesota Pollution Control Agency * **Acid rain in Minnesota**. - Revised edition (see entry number 543 for complete reference)

691 (092614)
US Environmental Protection Agency, Office of Wetlands Protection ; US Environmental Protection Agency, Office of Water * **America's wetlands : our vital link between land and water** (see entry number 544 for complete reference)

692 (091017)
Water Pollution Control Federation * **Clean water for today : what is wastewater treatment?** (see entry number 546 for complete reference)

693 (092609)
US Department of the Interior, Geological Survey * **Ground water** (see entry number 548 for complete reference)

694 (092612)
JAMES, I.C. ; KAMMERER, J.C. ; MURRAY, C.R. * **How much water in a 12-ounce can? A perspective on water-use information** (see entry number 552 for complete reference)

695 (093210)
North Dakota State Water Commission * **North Dakota water : a reference guide** (see entry number 553 for complete reference)

696 (093215)
LOVELAND, D.G. ; REICHHELD, B. ; SULLIVAN, M. (ed) * **Safety on tap : a citizen's drinking water handbook** (see entry number 556 for complete reference)

Fact Sheets, Brochures, Leaflets

697 (092607)
US Department of the Interior, Geologic Survey * **The hydrologic cycle** (see entry number 579 for complete reference)

698 (092610)
US Department of the Interior, Geological Survey * **Rain : a water resource** (see entry number 590 for complete reference)

699 (090007)
BALDWIN, H. ; MARMAN, L.B. * **What is water?** (see entry number 604 for complete reference)

Guides

700 (092255)
MITCHELL, M.K. ; STAPP, W.B. * **Field manual for water quality monitoring : an environmental education program for schools**. - Fourth edition (see entry number 720 for complete reference)

Creative Works (Literature, Cartoons ...)

701 (093193)
MSU Institute of Water Research, GEM Program * **Water wisdom** (see entry number 618 for complete reference)

Audiovisual Material

702 (092284)
American Water Works Association * **Always pure, never runs dry** (see entry number 619 for complete reference)

703 (091832)
Encyclopaedia Britannica Educational Corporation * **Problems of conservation : water**. - 2nd edition (see entry number 621 for complete reference)

Junior High Schools

Fact Sheets, Brochures, Leaflets

704 (093192)
League of Women Voters of Michigan (LWVMI) * **Groundwater in Michigan : a primer** (see entry number 573 for complete reference)

Instructional Material

705 (093212)
STUBBS, H.S. ; KLINKHAMMER, M.L. ; KNITTIG, M. * **The acid rain reader** (see entry number 681 for complete reference)

706 (092276)
BOCK, R. * **The story of drinking water** (see entry number 671 for complete reference)

Audiovisual Material

707 (093201)
Ecology Center of Ann Arbor * **It's found underground** (see entry number 687 for complete reference)

High Schools

Guides - Non-Classroom Use

708 (090338)
Earthworks Group * **50 simple things you can do to save the earth** (see entry number 607 for complete reference)

Postsecondary Education

Atlases

709 (072789)
Environment Canada, Conservation and Protection, Ontario Region ; United States Environmental Protection Agency, Great Lakes National Program Office ; Brock University, Institute of Urban and Environmental Studies ; Northwestern University, Center for Urban Affairs and Policy Research * **The Great Lakes : an environmental atlas and resource book** (see entry number 427 for complete reference)

Bibliographies

710 (093254)
US Department of Agriculture, Extension Service, Water Quality Initiative Team * **Bibliography : Cooperative Extension System's water quality educational materials**. - Revised edition (see entry number 627 for complete reference)

Directories, Catalogues

711 (083183)
International Joint Commission, Great Lakes Regional Office ; International Joint Commission, Great Lakes Regional Office * **Directory of Great Lakes education material**. - Third edition (see entry number 388 for complete reference)

712 (092615)
Water Pollution Control Federation, Public Education Committee * **The water quality catalog : a source book of public information materials** (see entry number 541 for complete reference)

Books, Booklets

713 (093213)
Acid Rain Foundation Inc ; Minnesota Department of Education ; Minnesota Department of Health ; Minnesota Department of Natural Resources ; Minnesota Pollution Control Agency * **Acid rain in Minnesota**. - Revised edition (see entry number 543 for complete reference)

714 (093210)
North Dakota State Water Commission * **North Dakota water : a reference guide** (see entry number 553 for complete reference)

715 (090021)
US Environmental Protection Agency * **Preventing pollution through efficient water use** (see entry number 555 for complete reference)

Fact Sheets, Brochures, Leaflets

716 (093196)
Channing I Bete Co Inc * **About wastewater treatment** (see entry number 680 for complete reference)

717 (092604)
Water Pollution Control Federation * **Hazardous waste reduction : the bottom line** (see entry number 740 for complete reference)

718 (091028)
US Environmental Protection Agency * **Protecting our ground water** (see entry number 589 for complete reference)

Guides

719 (093246)
PENNISI, C. * **Appreciating your Great Lakes : a guide for developing educational projects** (see entry number 645 for complete reference)

720 (092255)
MITCHELL, M.K. ; STAPP, W.B. * **Field manual for water quality monitoring : an environmental education program for schools**. - Fourth edition * Thomson-Shore, Inc , Dexter, MI, US * 1990 * 224p

This manual is concerned with water quality and its measurement. A data collection component identifies community issues with students selecting the issues, or teachers identifying the issues they think students might want to examine. This component involves water quality testing as well as other tests of feelings, images, sounds, and smells. In the problem-solving component, students, teachers, and citizens devise actions to raise the quality of the environment. This manual is designed to help students understand the meaning of nine important tests for measuring water quality, to make them familiar with important sources of water pollution and ways to help solve those problems, and to show them what the test results mean to human uses of the river. Included are discussions on the concept of a watershed, river ecology and aquatic organisms, land use and the kind of effluents or discharges into a river; a case study (the Rouge River, Michigan) with an interactive water quality program; and, a unit on the international dimension of water quality monitoring.

Library location: OOFF
Availability: Available from William B Stapp, 2050 Delaware Ave, Ann Arbor, MI, US 48103

Instructional Material

721 (092276)
BOCK, R. * **The story of drinking water** (see entry number 671 for complete reference)

Teaching Guides

722 (092445)
Ecowater Systems * **The water in your life : educational program** (see entry number 657 for complete reference)

723 (093311)
North Dakota State Water Commission * **Wet : water education for teachers** (see entry number 632 for complete reference)

Guides - Non-Classroom Use

724 (090338)
Earthworks Group * **50 simple things you can do to save the earth** (see entry number 607 for complete reference)

725 (090022)
National Wildlife Federation, Water Resources Program ; US Environmental Protection Agency * **A citizen's guide to community water conservation** (see entry number 608 for complete reference)

Journal Articles

726 (090036)
WOOD, J.B. ; CHESTERS, G. * **How to influence environmental policymaking** * In: Journal of soil and water conservation * Mar 1988-Dec 1988 * 43(6) 456-458

This article outlines five major thematic variables in public environmental policy decision-making: the issue variable; the economic variable; the constituency variable; the structural variable; and, the personal variable. Some basic guidelines are presented to significantly improve the chances for success. These include being proactive and not reactive, paying attention to the presentation of one's case, paying attention to the public context of the moment, developing broad-based support for one's case, being sensitive to the nature and problems of those one is trying to influence, and investing the time to know the players and to understand the process.

Availability: Available for interlibrary loan from OOFF under WACE number 00066

Conference Papers, Speeches

727 (091034)
CARLILE, M. * **How to build a local water resources organization** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 971-973

A community water resources organization can be effective in assuring long-term, high quality water supplies for that community. The Southern Arizona Water Resources Association was formed as a partnership of business and private citizens with political clout. Community participation and involvement is crucial. A step-by-step procedure on how to organize such a body and set realistic objectives is presented.

Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00075

Creative Works (Literature, Cartoons ...)

728 (093193)
MSU Institute of Water Research, GEM Program * **Water wisdom** (see entry number 618 for complete reference)

Audiovisual Material

729 (092284)
American Water Works Association * **Always pure, never runs dry** (see entry number 619 for complete reference)

730 (091832)
Encyclopaedia Britannica Educational Corporation * **Problems of conservation : water**. - 2nd edition (see entry number 621 for complete reference)

731 (091795)
American Water Works Association * **What do you know about H2O?** (see entry number 622 for complete reference)

Posters, Charts

732 (092616)
American Water Resources Association ; US Department of the Interior, Geological Survey ; US Department of the Interior, Bureau of Reclamation ; US Department of the Interior, Bureau of Land Management * **Water : the resource that gets used & used & used for everything!** (see entry number 651 for complete reference)

Bibliographies

733 (093254)
US Department of Agriculture, Extension Service, Water Quality Initiative Team * **Bibliography : Cooperative Extension System's water quality educational materials**. - Revised edition (see entry number 627 for complete reference)

Directories, Catalogues

734 (093214)
MYERS, C.R. ; BUTLER, P. ; HERMAN, J. ; GILLIAM, L.O. * **Water-efficient technologies for the urban/residential sector : a part of the water-savers' handbook : 1988 edition** * Rocky Mountain Institute, Snowmass, CO, US * 1988 * 167p

This catalogue collects the basic technical and commercial data on the major types of advanced water-efficient technologies now available for residential and urban use in North America. This new generation of technologies is engineered to use 30-95% less water than conventional models, yet deliver equivalent services. The publication explains to the user how to choose water-efficient devices and gives useful information such as performance, benefits and effects, applications, construction, installation, and sales of the product. Products described include faucets, showerheads, toilets, innovative irrigation products, pressure-reducing valves, and water-efficient plumbing systems.

Library location: OOFF

Books, Booklets

735 (089999)
WINKLER, R.C. * **Water conservation : chapter 7** * In: Preserving the environment : new strategies for behavior change / GELLER, E.S. ; WINETT, R.A. ; EVERETT, P.B. * Pergamon Press, New York, NY, US * 1982 * 262-287

This chapter explores water conservation as one way to solve the water shortage problem. The primary focus is on residential water consumption and appropriate targets for conservation are advocated. A comprehensive approach to water conservation in the residential sector should include information, dispensing of low-cost devices, economic incentives, laws and building codes, development and marketing of equipment that reduce water consumption, feedback strategies, and continuous evaluation of the overall approach to water conservation.

Library location: ACU

Availability: Available for interlibrary loan from OOFF under WACE number 00007

736 (093218)
MORRIS, M. * **Wetlands protection : a local government handbook** (see entry number 559 for complete reference)

Reports

737 (093219)
Commonwealth of Massachusetts, Special Legislative Commission on Water Supply * **Water conservation : money in the bank : a case study of industrial water conservation** * Commonwealth of Massachusetts, Special Legislative Commission on Water Supply, Boston, MA, US * 06 June 1983 * 107p

Water conservation programs in 23 businesses, industries, non-profit organizations and educational institutions in the State of Massachusetts, are detailed. Conservation changes made in the organization, the motivation for the changes, and the realities of the economic effectiveness of the programs, are highlighted.

Availability: Available for interlibrary loan from OOFF under WACE number 00419

738 (093225)
Rocky Mountain Institute, The Water Program * **Water efficiency : a resource for utility managers, community planners, and other decision makers**. - Revised edition * Rocky Mountain Institute, Snowmass, CO, US * Nov 1991 * 114p

This water efficiency planning document discusses the benefits and costs of water efficiency, summarizes the technologies themselves, and describes strategies used by many communities in the United States for implementing efficiency programs. The term "efficiency" means the use of advanced technologies and methods to deliver the same or better services with less water. By using efficient technologies to reduce water and energy use, individuals and communities can save money and help the environment without sacrificing quality of service. This document also provides further contacts, listings, and examples to supplement the main text.

Availability: Available for interlibrary loan from OOFF under WACE number 00430; Also available from the Rocky Mountain Institute, 1739 Snowmass

Creek Rd, Snowmass, CO, US 81654-9199 (303) 927-3851, FAX (303) 927-4178

Descriptive Reports

739 (093237)
Gillette Company * **Water conservation program and audit tips** * Gillette Company * nd * approx 100p

This report shows how industries and businesses can play a leading role in increasing public awareness of water conservation. Water conservation programs implemented in the Polaroid Corporation, the Gillette Company, and the Prudential Center in Boston are described. An audit of a company's water consumption situation is advised and a checklist encompassing landscaping and external use, domestic use, industrial use, general use, and other areas, is presented. Suggestions to assist in the development and implementation of a successful industrial water conservation program are outlined. These include company policy and commitment, awareness effort, cross-fertilization of ideas, and an audit and implementation plan.

Availability: Available for interlibrary loan from OOFF under WACE number 00446

Fact Sheets, Brochures, Leaflets

740 (092604)
Water Pollution Control Federation * **Hazardous waste reduction : the bottom line** * Water Pollution Control Federation , Alexandria, VA, US * nd * 8p

Small businesses can learn how to save money by reducing the amount of hazardous waste they generate. This brochure includes a step-by-step flow chart for setting up a waste reduction program. Although primarily geared to the business community, the steps laid out in the Waste Reduction Flow Chart could be easily adapted to suit any group or organization.

Availability: Available for interlibrary loan from OOFF under WACE number 00365; Also available at cost from the Public Education Department, Water Pollution Control Federation, 601 Wythe St, Alexandria, VA, US 22314-1994 (703) 684-2400

741 (092606)
SCHNEIDER, W.J. * **Water in the urban environment : erosion and sediment** (see entry number 600 for complete reference)

742 (092597)
US Environmental Protection Agency, Office of Water * **Yes, you can : two small towns show how to save money and water** * US Environmental Protection Agency, Office of Water * Apr 1991 * 6p

Officials in small communities often wonder how to solve their town's water problems. Many are faced with a water shortage or the need to expand their water and wastewater facilities. This brochure explains how officials in two small towns - Lorena, Texas and Bern, Kansas - saved water and money through carefully designed water conservation plans. Elements of the plans, including water rate changes, public education programs, leak detection and repair, and the distribution of water-saving devices, are discussed.

Availability: Available for interlibrary loan from OOFF under WACE number 00369; Also available from the National Small Flows Clearinghouse, West Virginia University, PO Box 6064, Morgantown, WV 26506-6064 (800) 624-8301

Guides - Non-Classroom Use

743 (092282)
American Water Works Association * **Back to basics guide to water conservation** * American Water Works Association , Denver, CO, US * 1991 * 13p

This resourceful guide will help small to medium-sized utilities plan and initiate an effective water conservation program in their community. It is full of ideas to increase water awareness among consumers and includes three sample water utility conservation plans.

Availability: Available for interlibrary loan from OOFF under WACE number 00358; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

744 (089524)
Great Lakes Commission, Task Force on Drought Management and Great Lakes Water Levels * **A guidebook to drought planning, management and water level changes in the Great Lakes** (see entry number 609 for complete reference)

745 (092283)
FREDETTE, J.; FORD, J.; JACKSON, T.; HAYES, J. * **Public information : how to build a successful public information - community relations program** * American Water Works Association , Denver, CO, US * 1989 * 33p

Water quality and utility operations are getting more and more attention from the public as well as the media. Unfortunately, few utilities are prepared to respond to the media. A well-planned community relations program can save your utility's image and even turn problems into opportunities. You can have control over your image. This public information manual presents the basics of community education, public relations, and communications that every utility manager should know and use. It covers media relations and how to use the media to your advantage. There are helpful tips for preparing news releases, talking to reporters, and planning news conferences. ***Availability:*** Available for interlibrary loan from OOFF under WACE number 00356; Also available at cost from AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, FAX (303) 794-7310

746 (093224)
United States Department of Agriculture, Soil Conservation Service * **Water quality field guide**. - Revised edition * United States Department of Agriculture, Soil Conservation Service , Washington, DC, US * Mar 1988 * 63p

Information is provided on the control of nonpoint sources of pollution from agricultural lands. This includes controlling nutrient pollution, sediment pollution, animal waste pollution, salt pollution, and pesticide pollution. A water quality perspective is incorporated into all conservation planning. Pollutants that can cause water use impairment, the factors affecting water quality, and the pollutant delivery process, are discussed. This guide is aimed at field office personnel for the United States Soil Conservation Service.
Availability: Available for interlibrary loan from OOFF under WACE number 00429; Also available free from the Soil Conservation Service, US Dept of Agriculture, 101-1405 South Harrison Rd, East Lansing, MI, US 48823

747 (093223)
TERRELL, C.R. ; PERFETTI, P.B. * **Water quality indicators guide : surface waters** * United States Department of Agriculture, Soil Conservation Service , Washington, DC, US * Sept 1989 * iv, 129p

This guide is intended to aid in finding water quality solutions to problems from agricultural nonpoint source pollution. It teaches the user the fundamental concepts of water quality assessment through the use of field sheets without elaborate chemical testing procedures or intricate species identification. The field sheets are arranged in matrix format with environmental indicators given for sediment, animal wastes, nutrients, pesticides, and salts. Each indicator is divided into descriptions of the environment from excellent to poor, and each description is given a weighted numerical ranking. The user can determine possible sources of the problem on adjacent lands and recommend practices for correcting the condition.
Availability: Available for interlibrary loan from OOFF under WACE number 00428; Also available free from the Soil Conservation Service, US Dept of Agriculture, 101-1405 South Harrison Rd, East Lansing, MI, US 48823

Conference Proceedings

748 (091809)
GROSS, M.P. (ed) ; WILKE, R.J. (ed) ; PASSINEAU, J.F. (ed) * **Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989** * NAEE/CEA Joint Conference Committee , Troy, OH, US * Aug 1989 * 377p

This publication contains over 170 papers on the theme of environmental education. The papers focus on research and application, interdisciplinary, interagency, and international cooperative ventures, educating about environmental issues, curriculum and teaching strategies, communications mechanisms, supporting environmental education programs, and materials and programs for educating about the environment. The articles are of interest to the researcher or the environmental educator of students of all ages. Specific American case studies of environmental education programs and activities are described in many of the papers.

Serials, Journals

749 (093329)
Illinois-Indiana Sea Grant Program * **The HELM : happenings and educational activities around Lake Michigan** (see entry number 612 for complete reference)

Journal Articles

750 (090042)
WALS, A.E. ; BERINGER, A. ; STAPP, W.B. * **Education in action : a community problem-solving program for schools** * In: Journal of environmental education * Summer 1990 * 21(4) 13-19

The ARCPS (Action Research and Community Problem-Solving) model was developed at the University of Michigan as an approach to environmental education to bridge the natural and social sciences, learning and doing, and the school and the community. The basic steps towards executing an ARCPS project are a careful planning of the process by teachers and administrators, assessing the students' research skills, choosing a topic which usually follows after a walk in the local community to increase the students' awareness of the natural and social environment of that community, researching the topic, determining what action plan or strategy must be devised to address the problem, and evaluating the project. This model involves students in the planning of their own education and removes their feeling of powerlessness in solving environmental problems.

Availability: Available for interlibrary loan from OOFF under WACE number 00064

751 (090037)
BROWN, Q. * **Effective communication with the public on water pollution control issues** * In: Journal - Water Pollution Control Federation * Oct 1987 * 59(10) 851-855

The scientific and engineering community must do a better job of communicating to the public that it is on their side in wanting to preserve the environment. They must take the initiative and communicate before the fact and not defensively after the fact. It must simplify as much as possible the messages that it relays while still maintaining accuracy and truth. Scientists and engineers must be proactive and not reactive and defensive. The six major issues of deregulation, water pricing, groundwater management, acid rain, nonpoint source pollution, and hazardous wastes, must be communicated effectively to the public since only a well informed and educated public responds positively to issues when they feel empowered. School curricula are being developed for kindergarten through grade nine by the US Water Pollution Control Federation.

Availability: Available for interlibrary loan from OOFF under WACE number 00067

752 (069505)
CHRISTIE, W.J. ; BECKER, M. ; COWDEN, J.W. ; VALLENTYNE, J.R. * **Managing the Great Lakes basin as a home** * In: Journal of Great Lakes research * 1986 * 12(1) 2-17

The ecosystem approach, a more holistic way to planning, research, and management of the Great Lakes basin, was articulated as a concept in the 1978 Great Lakes Water Quality Agreement. In order to stimulate movement of this concept to a series of implementable actions, an Ecosystem Approach Workshop was held in March 1983. This paper describes the process used to define common cause for a group of fifty-six participants representing a diverse spectrum of backgrounds. Three generic obstacles to attainment of an ecosystem approach, which emerged from pre-workshop efforts, were addressed by the workshop. They were: lack of an holistic perspective; predominance of egosystem thinking; and, lack of a preventive approach. The strategy suggested for overcoming the obstacles was identified as enlightened self-interest. The participants proposed 33 initiatives for advancing the ecosystem approach. These initiatives related to improving the acquisition of scientific data, directing institutional change for ecosystem management, improving citizen participation, paying the costs for resources use, education, and public awareness. In order to help implement these initiatives, establishment of an ecosystem approach monitoring group and an improved public information program is recommended.(au)

Availability: Available for interlibrary loan from OOFF under WACE number 00448; Reprint available free from the Great Lakes Fishery Commission, 1451 Green Rd, Ann Arbor, MI, US 48105-2898

753 (090043)
NOE, F.P. ; SNOW, R. * **The new environmental paradigm and further scale analysis** * In: Journal of environmental education * Summer 1990 * 21(4) 20-26

A twelve-item new environmental paradigm (NEP) scale was developed to test opposing views of how mankind regards the natural environment based on the belief that the older view of an anthropocentric, anti-ecological order is being replaced by a new concern about the balance of nature. This scale was applied by the United States National Park Service to measure shifts in environmental concern among five different subpopulations of park visitors. Park visitors showed a support for an ecological view of man and nature. The NEP scale proved to be a reliable measure of environmental concern although it could be reduced by half and still not lose precision. It is an advanced tool for measuring environmental

techniques. Future research should be designed with an awareness of the differences that may occur when comparing various sample populations.
Availability: Available for interlibrary loan from OOFF under WACE number 00065

754 (090039)
FORTNER, R.W. ; LAHM, A.C. * **Research program outreach into the classroom : an estuarine research reserve initiative** * In: Journal of environmental education * Summer 1990 * 21(4) 7-12

This article evaluates a well-developed education program at Old Woman Creek National Estuarine Research Reserve near Huron, Ohio to enhance public understanding of the Great Lakes coastal resources. The research questions for the study were related to the information that fourth and fifth-grade school children received about Old Woman Creek through in-school preparation followed by a field trip to the site. Results of the study indicated that there was an increase in knowledge about the estuary following the education program, knowledge was greatest after the in-school program and before the field trip but gains continued to be documented after the estuary visit, attitudes about the estuary did improve following the total experience, and students generally enjoyed the field trip.
Availability: Available for interlibrary loan from OOFF under WACE number 00063

755 (091794)
MCLELLON, W.M. * **Student water use** (see entry number 668 for complete reference)

756 (093236)
SHARFF, B. * **Teachers enjoy getting WET** (see entry number 635 for complete reference)

757 (091041)
THOMPSON, S.C. ; STOUTEMYER, K. * **Water use as a commons dilemma : the effects of education that focuses on long-term consequences and individual action** * In: Environment and behavior * Sage Publications, Inc * May 1991 * 23(3) 314-333

It was hypothesized that educational interventions that focus on the long-term consequences of water use and the efficacy of personal action to conserve would be more effective in reducing water consumption among residential water users than messages that focus on the economic advantages of conservation or a control condition that was given only tips on how to conserve. The 171 households consenting to participate in the study were randomly assigned to one of three conditions: education about long-term consequences and personal efficacy of conservation, education about the self-interested economic effect of water use, or a participation control group. A second control group of 36 households was not contacted and was unaware of the study. A second independent variable was socio-economic status of area (SES): lower-middle versus upper-middle SES. Water use was recorded for the 2-month pre-intervention, intervention, and post-intervention periods. In support of the hypothesis, residents in the lower-middle class area conserved more water in both the intervention and post-intervention period if they received the long-term consequences and personal efficacy education. However, neither educational message had an effect in the upper-middle class area. Possible explanations and implications for these results are discussed.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00069

758 (090006)
VICKERS, A. * **Water-use efficiency standards for plumbing fixtures : benefits of national legislation** * In: American Water Works Association journal * May 1990 * 82(5) 51-54

Implications of the proposed National Plumbing Products Efficiency Act in the United States are assessed. National water-use efficiency standards for plumbing fixtures and appliances, including toilets, showerheads, kitchen and lavatory faucets, urinals, clothes washers, and dishwashers, are intended to reduce the need for and costs of developing new sources of raw water. The potential savings could allow the United States to significantly reduce its overall water demand and related costs.
Availability: Available for interlibrary loan from OOFF under WACE number 00003

Conference Papers, Speeches

759 (091805)
LYON, A.E. ; STRUNK, J.W. * **Conducting your own abandoned well survey** * In: Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989 / GROSS, M.P. (ed) ; WILKE, R.J. (ed) ; PASSINEAU, J.F. (ed) * NAEE/CEA Joint Conference Committee , Troy, OH, US * Aug 1989 * 160-163

Abandoned wells (oil, gas, and mineral exploration) represent a potential threat to groundwater, acting as

direct pipelines for contaminants. Since abandoned wells must be found before they can be plugged, abandoned well surveys are necessary. Conducting these surveys educates citizens and school groups about groundwater issues, getting them involved in the groundwater management process in their local communities while providing state and county officials with this important information. A leadership training manual and audiovisual presentation which teaches groups how to conduct a survey are presented.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00292

760 (091031)
WILSON, R.L. * **Developing public/private partnerships to promote water conservation** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 913-917

Public/private partnership is seen as one possibility for funding a water conservation program. Suggestions are presented on how to first educate the public on the need for a water conservation program and then to set up a steering committee of public and private individuals to study the impact of water conservation and make recommendations. Business organizations, utility companies, service organizations, and citizens groups are good sources to tap for committee members.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00072

761 (091806)
GEORGE, G. * **GREAT (groundwater resources and educational activities for teaching)** * In: Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989 / GROSS, M.P. (ed) ; WILKE, R.J. (ed) ; PASSINEAU, J.F. (ed) * NAEE/CEA Joint Conference Committee , Troy, OH, US * Aug 1989 * 308-313

Groundwater issues, program design for the six units and posters, in-service strategy for seventh to ninth grade science, and future plans for groundwater education in the state are highlighted. Groundwater models are demonstrated.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00293

762 (091807)
JEFFERY, W. * **Missouri's aquatic resources education program** * In: Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989 / GROSS, M.P. (ed) ; WILKE, R.J. (ed) ; PASSINEAU, J.F. (ed) * NAEE/CEA Joint Conference Committee , Troy, OH, US * Aug 1989 * 331-335

The Missouri Department of Conservation is developing an aquatic resources education program for all Missourians. Missouri's program involves fishing and much more, presents vital conservation concepts and skills, and is integrated throughout the school curriculum.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00294

763 (091808)
MILLS, T. ; PALENSHUS, D. * **Public education using computerized water resource management simulation** * In: Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989 / GROSS, M.P. (ed) ; WILKE, R.J. (ed) ; PASSINEAU, J.F. (ed) * NAEE/CEA Joint Conference Committee , Troy, OH, US * Aug 1989 * 346-350

This workshop provides general-level hydrologic information and gives workshop participants a "hands-on" opportunity to develop and evaluate water management strategies through the use of a Water Resources Management Simulator.(au)
Availability: Available for interlibrary loan from OOFF under WACE number 00295

764 (091030)
TESTA, A. * **Public education, a community effort** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 909-912

Public information and education has contributed greatly to the success of the water conservation program in Mesa, Arizona. Began in 1982, the program has reduced water usage by 14%. Some of the successful activities are an annual water conservation calendar, a video on Mesa's water resources and conservation for students and adults, low-water use

landscape workshops, youth education, and an industrial conservation program.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00071

765 (091096)
TODD, D. * **Public information during a water crisis** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 905-907

Difficulties were encountered in the city of Fresno, California, in trying to implement a water conservation program before a plan of action was established. This article shows how important it is to have an emergency preparedness plan before the need arises and inform the public adequately to avoid confusion and misinformation.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00070

766 (091032)
BAUMANN, D.D. ; SIMS, J.H. * **The social acceptability of water conservation** * In: Proceedings of Conserv 90, the national conference and exposition offering water supply solutions for the 1990s : August 12-16, 1990, Phoenix Civic Plaza, Phoenix, Arizona * 1990 * 919-923

The effects of public education programs on water conservation are examined. In four communities studied, no relationship was found between behavioural measures and water use. Relationship between technological measures and water use was found in only the two communities that already had water conservation programs in place. Such programs may be the link that convinces citizens of the desirability of technological measures to save water. Two telephone surveys in southern California before and after a drought public education campaign revealed that significantly more people took action to conserve water after the campaign.
Library location: OON
Availability: Available for interlibrary loan from OOFF under WACE number 00073

767 (091035)
KEATING, L. * **Water conservation : curriculum in action** (see entry number 652 for complete reference)

Information Analyses, Viewpoints

768 (091808)
MILLS, T. ; PALENSHUS, D. * **Public education using computerized water resource management simulation** (see entry number 763 for complete reference)

769 (091035)
KEATING, L. * **Water conservation : curriculum in action** (see entry number 652 for complete reference)

OTHER COUNTRIES

Junior High Schools

Instructional Material

770 (091016)
WALKER, C.R. * **Water means life** * Conservation New Zealand * 1984 * 31p

These teaching notes are aimed at the junior high school student in New Zealand. It provides background information on ways people, plants and animals use water with a number of suggested activities which may be done by classes, groups or individual students. New Zealand water use areas examined include marine farming, hydro energy, commercial fisheries, agriculture, recreation, and sewage treatment plants. Specific New Zealand wildlife discussed include blue duck, common green frog, native land snails, native water plants, dragonflies, and freshwater crayfish.

Availability: Available for interlibrary from OOFF under WACE number 00081

Intermediate Grades

Teaching Guides

771 (091039)
CUSO, Carleton Local Committee * **Water for Tonoumassé** (see entry number 79 for complete reference)

INTERNATIONAL

or

MULTINATIONAL

Books, Booklets

772 (092608)
NACE, R.L. * **Water of the world** * US Department of the Interior, Geological Survey * 1984 * 19p

The magnitude of water volumes involved in the annual water cycle is explained in this pamphlet. Specific data are presented to give an idea of the relative importance of large and small rivers in maintaining continental water balances. Information on the role of oceans, rivers and lakes, soil moisture, groundwater, and glaciers in the world's water supply is provided. The hydrologic importance of the continent and its ice is also illustrated.

Availability: Available for interlibrary loan from OOFF under WACE number 00381; Single copies also available free from USGS Books & Open-File Reports Section, Box 25425, Denver, CO, US 80225

773 (093256)
WATSON, L. * **The water planet : a celebration of the wonder of water**. - First edition * Crown Publishers, Inc , New York, NY, US * 1988 * x, 206p

This photo-essay tells the story of water's role in earth's creation, how it has shaped civilizations, influenced religions, and inspired artists. It is also a disussion on the physical and chemical properties of water. The four parts of this book highlight water and the earth, water and life, water and science, and water and history. The wide range of water-related areas discussed include clouds, rainfall, glaciers, floods, the aquatic environment and its inhabitants, soil-water-plant relationships, oceans, and water's role in the human body.

Library location: OOC

Journal Articles

774 (090743)
COOK, R.B. * **Interacting with the elements : Man and the biogeochemical cycles** (see entry number 784 for complete reference)

775 (090742)
STUMM, W. * **Water, an endangered ecosystem** (see entry number 786 for complete reference)

776 (090041)
LECKER, C. * **Water, water everywhere : but should I really drink?** * In: LeisureWays * LeisureWays Magazine , Toronto, Ont * June 1989 * p58

Following a brief discussion about man's various needs for water and the amount consumed in a lifetime, this article recommends that a traveller should only consume bottled or boiled water in foreign countries. It also cautions the traveller about bottled water and ice cubes in certain countries. New small portable water filter treatment devices are available to remove up to 90% of tap water's impurities in a couple of minutes.

Availability: Available for interlibrary loan from OOFF under WACE number 00058

Journal Articles

777 (090019)
HUNGERFORD, H.R. ; VOLK, T.L. * **Changing learner behavior through environmental education** * In: Journal of environmental education * Spring 1990 * 21(3) 8-21

This article addresses the effectiveness of environmental education for promoting responsible citizenship behaviour. Citizenship behaviour is described as encompassing knowledge, attitudes and skills, as well as active participation within society. The kind of instruction recommended differs substantially from typical educational practice. Recent research shows that environmental issues must be the focus of instruction designed to change behaviour. Instruction then goes beyond an awareness or knowledge of issues. Students must have the opportunity to develop a sense of ownership and empowerment so that they are prompted to become responsible, active citizens. *Availability:* Available for interlibrary loan from OOFF under WACE number 00061

Early Child Education

Guides

778 (091844)
WINTERS, L. ; STEUBING, M. ; SHEFFIELD, J. ; KNOX, S. ; DENHOLM, C. * **Appreciation of the environment** * In: Discover the world : empowering children to value themselves, others and the earth / HOPKINS, S. (ed) ; WINTERS, J. (ed) * New Society Publishers , Gabriola Island, BC ; Concerned Educators Allied for a Safe Environment * 1990 * 105-112

Environmental activities to encourage preschool and elementary age children to appreciate the earth, are presented. The four main activities are appreciation of the environment, how plants grow, water conservation, and pollution. Each of these activities is supported by ideas for art, science, music and movement, small and large muscle development, language, and special activities. The water conservation activity explores the concept of the need to use water wisely, how water is used, the need of all living things for water, and the use of water by wildlife. Teachers are provided with instructions on how to make a terrarium and a solar still. *Availability:* Available for interlibrary loan from OOFF under WACE number 00322; Also available at cost from New Society Publishers, PO Box 582, Santa Cruz, CA, US 95061

Elementary Education

Guides

779 (091844)
WINTERS, L. ; STEUBING, M. ; SHEFFIELD, J.; KNOX, S. ; DENHOLM, C. * **Appreciation of the environment** (see entry number 778 for complete reference)

Postsecondary Education

Conference Proceedings

780 (091816)
CHOW, V.T. (ed) ; FRIED, J.J. (ed) ; KRIZEK, R.J. (ed) * **Water resources education : proceedings of the International Seminar on Water Resources Education : Paris and Strasbourg, France, March 24-29, 1975** (see entry number 792 for complete reference)

Preschool Education

Creative Works (Literature, Cartoons ...)

781 (092687)
SHAPP, M. ; SHAPP, C. * **Let's find out about water** . - Revised full color edition * Franklin Watts Inc , New York, NY, US * 1975 * 40p

This picture-book is designed for young children who have just begun to read and write. With simple sentences, it shows the importance of water for human beings, animals and plants. The fact that all living organisms need water to survive is emphasized. Various water uses are illustrated, as well as the water cycle and different water properties.
Library location: ON
Availability: Available for interlibrary loan from OOFF under WACE number 00323

Intermediate Grades

Instructional Material

782 (093252)
NUSSBAUM, H. (ed) * **Charlie Brown's second super book of questions and answers about the earth and space...from plants to planets! : based on the Charles M Schulz characters** * Random House , New York, NY, US * 1977 * 149p

Aimed at children, this beautifully-illustrated publication uses the whole Peanuts gang including Charlie Brown to ask and answer questions about plants, rocks, oceans, rain, snow, tornadoes, earthquakes, stars, planets, rockets, astronauts and other questions on the earth, weather and climate, the stars and planets, and space travel. Water quality and water pollution are addressed in a question on the green slime found in lake and rivers. The saltiness of ocean water is addressed in another question.
Library location: OOC

Secondary Education

Books, Booklets

783 (092608)
NACE, R.L. * **Water of the world** (see entry number 772 for complete reference)

Journal Articles

784 (090743)
COOK, R.B. * **Interacting with the elements : Man and the biogeochemical cycles** * In: Environment * Sept 1984 * 26(7) 11-40

This research article explains how essential it is to understand the global biogeochemical cycles of carbon, nitrogen, phosphorus, and sulfur. This is necessary in order to analyze the long-term impact of man's waste emissions on the atmosphere, oceans, and freshwater and terrestrial ecosystems. It suggests how fossil fuel emissions, fertilizers or forest cutting may combine to affect the quality of air, water, soils, vegetation, and animals on a global scale.
Availability: Available for interlibrary loan from OOFF under WACE number 00101

High Schools

Journal Articles

785 (090741)
MAURITS LA RIVIERE, J.W. * **Threats to the world's water** * In: Scientific American * Sept 1989 * 80-94

This comprehensive general interest article examines causes of the degradation of the world's water resources. These include over irrigation, ocean dumping, industrial emissions, and offshore shipping and mining accidents. As water becomes increasingly scarce from population expansion, industry and agriculture, it becomes even more important to manage water more effectively. Water management should focus mainly on increasing the efficiency of water consumption rather than toward increasing the supply of water through such activities as the mining of groundwater. Pollution prevention programs rather than after-the-fact purification programs are seen as a more effective way to manage water resources.

Availability: Available for interlibrary loan from OOFF under WACE number 00103

786 (090742)
STUMM, W. * **Water, an endangered ecosystem** *
In: Ambio * 1986 * 15(4) 201-205

This research article examines the interdependence of water, air and soil and man's interference in hydrogeochemical cycles. Increased production of chemical byproducts changes the atmosphere and thus interferes with the water cycle. The mining of phosphorus and other heavy metals is contributing to disturbing the ecological balance between photosynthesis and respiration and creating inland water quality deterioration. Resulting long-term global ecosystem stress from chemical pollutants is a grave problem which must be resolved through the collaboration of all scientific disciplines.
Availability: Available for interlibrary loan from OOFF under WACE number 00102

Postsecondary Education

Journal Articles

787 (090742)
STUMM, W. * **Water, an endangered ecosystem**
(see entry number 786 for complete reference)

Books, Booklets

788 (091086)
Freshwater : chapter 21 * In: World resources 1988-89 : an assessment of the resource base that supports the global economy * Basic Books, Inc , New York, NY, US * 1988 * 317-324

This chapter presents tabular data useful for researchers on international freshwater resources. Data is provided on freshwater resources and withdrawal for the years 1959-86 in Africa, North and Central America, South America, Asia, Europe, USSR, and Oceania. Data on river water quality for the years 1970-85 is presented for countries around the world. The data on the characteristics of major rivers of the world is divided by continent, while the characteristics of selected large lakes is tabulated for the year 1980.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00099

789 (091084)
Freshwater : chapter 8 * In: World resources 1988-89 : an assessment of the resource base that supports the global economy * Basic Books, Inc , New York, NY, US * 1988 * 127-142

Global freshwater availability and quality are examined in this chapter. A realistic assessment of freshwater availability for human use must consider climate, location, timing, population, political boundaries, and human intervention. With the increasing demand for water generated by population growth, irrigation, urbanization and industrialization, countries have three options. They can undertake reallocation of water either by direct government regulation or through water markets, increase efficiency especially through conservation and reuse with irrigated agriculture, or increase the available supply by building dams, drilling wells, or by interbasin transfers. The growing problem of rural and urban nonpoint source pollution can be effectively reduced and controlled by regulating how land is used and instituting penalties and taxes for polluters.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00099

790 (091085)
Global systems and cycles : chapter 11 * In: World resources 1988-89 : an assessment of the resource base that supports the global economy * Basic Books, Inc , New York, NY, US * 1988 * 181-202

This chapter examines the global nitrogen cycle and the global water cycle and how they are affected by human interference. Heavy use of fertilizers contributes to water pollution by nitrogen compounds, eutrophication of aquatic ecosystems, and contamination of drinking water. Disturbance of the water cycle through human-induced climate change like global warming results in increased evaporation and precipitation, increased soil erosion and sediment transport, and increased runoff. The impacts of long-term environmental changes can be far reaching. By looking into the past the true scale of the environmental damage being caused today can be realized. Environmental history can provide information relevant to sensible environmental policy decisions.

Library location: OOFF
Availability: Available for interlibrary loan from OOFF under WACE number 00099

791 (091037)
UNESCO * **Trends in environmental education** * United Nations Educational, Scientific and Cultural Organization , Paris, FR * 1977 * 244p

This book presents the state-of-the-art in environmental education in thirteen countries covering many of its aspects and all of its age levels from pre-school to adults. The nature and philosophy of environmental education, methodologies, evaluation of environmental education learning, instructional resources, national procedures, and cooperation in environmental education, are examined.

Library location: BVAS

Conference Proceedings

792 (091816)
CHOW, V.T. (ed) ; FRIED, J.J. (ed) ; KRIZEK, R.J. (ed) * **Water resources education : proceedings of the International Seminar on Water Resources Education : Paris and Strasbourg, France, March 24-29, 1975** * International Water Resources Association , Champaign, IL, US * 1975 * 484p

This publication contains over forty papers on environmental education in the area of water resources management, including groundwater and surface water. Geared to the researcher or the environmental educator of university students, the papers focus on the place of education in water resources and its relationships to environmental problems, trends in water research and their implications on education programmes, teaching methods, continuing education and interdisciplinary training, priorities for

developing countries, and international action for promoting education in water resources.
Library location: OOFF

Serials, Journals

793 (090046)
UNESCO * **Connect : UNESCO-UNEP environmental education newsletter** * UNESCO , Paris, FR * Jan 1976- * v1-

This newsletter describes activities taking place in the field of environmental education (all levels) in countries that are part of the United Nations Environment Programme (UNEP). Information is also provided on forthcoming publications and conferences. conferences.
Availability: Available free from Unesco, 7 place du Fontarnoy, 75700 Paris, FR

Journal Articles

794 (090019)
HUNGERFORD, H.R. ; VOLK, T.L. * **Changing learner behavior through environmental education**
(see entry number 777 for complete reference)

795 (090038)
DISINGER, J.F. * **Environmental education for sustainable development** * In: Journal of environmental education * Summer 1990 * 21(4) 3-6

An emerging global emphasis on sustainability has led to general acknowledgement that integrated application of environmental knowledge across the natural and social science disciplines must occur. Education about sustainable development will continue to be spotty unless those championing education about sustainability find effective ways to clear the twin hurdles of resistance to interdisciplinarity and lack of acknowedged priority of the subject of sustainability. Education about sustainability focusing on the environment will provide the mechanism for the development of interdisciplinary educational efforts across the natural and social sciences.
Availability: Available for interlibrary loan from OOFF under WACE

INDEXES

A
abandoned wells, 354 356 759
aboriginal peoples, 197
acid rain, 2 3 5 11 14 15 27 54 96 103 175 257 297 300 308 313 318 319 339 369 392 419 424 479 492 494 495 543 681
acid rain control, 369
Acidic Precipitation in Ontario Study, 313
activity book, 683
administrative agencies, 515
administrator guides, 559 743 745
Africa, 79
agreements, 42
agricultural chemicals, 41
agricultural runoff, 4
agricultural wastes, 747
agriculture, 4 8 41 190 191 205 230 246 249 290 377 382 399 473 475 518-521 609 627 651 682 746 747 785
air pollution, 3-5 7 12 15 27 44 54 84 95 96 100 127 175 257 258 306 318 339 369 396 419 475 479 492 495 543 681 784
air pollution control, 5 15 27 44 54 306 369 479 543
air pollution sources, 459
air quality, 369
air temperature, 337
air-water interfaces, 579
Alaska, 73
Alberta, 85 164 190-192 196-207 209-224 227 229-231 233 234 236 238 239 242 244 246 247 249 250-252 256-263 270-273 295
Alberta Conservation Strategy, 271
Alberta Environmental Protection and Enhancement Act, 200
Alberta Water Resources Commission, 198
algae, 196 219
algal blooms, 209
alkalinity, 209-224
animal populations, 673
animal wastes, 746 747
animals, 270
APIOS, 313
aquaculture, 71 525
aquatic animals, 295
aquatic ecosystems, 29 42 252 421 681
aquatic environment, 17 111 192 229 244 247 250 252 279 303 319 339 359 363 383 419 439 762 778
aquatic habitats, 229 281 315 442
aquatic insects, 423
aquatic life, 96 97 171 192 229 238 290 319 377 423 424 439
aquatic plants, 170 319 383
aquatic weed control, 170
aquifers, 20 354 493 549 571 687
Arizona, 727 764 766
artesian wells, 166
artificial recharge, 343
Assiniboine River, 293 294
Astotin Lake, 192
Atlantic Canada, 489 490 493
Atlantic salmon, 377
atlases, 196 420 427
atmosphere, 773
attitudes, 757
audiovisual materials, 1 388
Aurora, 766
Austin, 640
available water, 42 53 62 79 108 242 674 789

B
bacterial analysis, 277
bank stabilization, 453
Baptiste Lake, 209
basin management, 752
Beatty Saugeen River, 405
Becancour, 307
bedrock, 14
beluga whales, 380
benthic fauna, 210 215 221 222
benthos, 353
benzo(a)pyrene, 505
Bern, 742
bibliographies, 179 539 540 627
bilateral treaty, 369
bioindicators, 681
biotechnology, 85
birds, 423 450 474 673
Bishop's Falls, 537
Blue Baby Syndrome, 576

boating, 300 563
boating industry, 563
boating regulations, 305
bogs, 381 384 426 544 602
bored wells, 355
bottled water, 50 51 614
boundary waters, 24 362
British Columbia, 66 165-175 177-179
Brockville, 307
brook trout, 377
Brundtland report, 512

C
cadmium, 459
California, 608 614 667 765 766
camp sites, 186
camping, 18 40 186 344
Canada-Alberta Flood Damage Reduction Program, 201
Canada-United States Great Lakes Water Quality, 364
Canada-United States Water Quality Agreement, 365
canoeing, 379
carbon cycle, 784
carr, 384
case studies, 282 737 766
catalogues, 541 734
catchment areas, 196 251
channel improvement, 349
chemical analysis, 667
chemical pollution, 350 385 786
chemical properties, 31 773
chemical treatment, 40
children, 626
childrens literature, 70 74 93 98 674 781
chlorination, 374
chlorophyll, 209-217 219-224
cisterns, 53
citizens groups, 1
citizenship, 777
classification, 384
Clean Air Act of 1970, 54
cleanup, 372
cleanup operations, 298 302 342 357 363 372 385
climate change, 609
climates, 782
climatology, 327
coastal waters, 490 516 612
coastal zone management, 490 609 612
coasts, 490
coliforms, 277
colleges, 1
Colorado, 766
colouring books, 673
comics, 99 110 280 646
commercial fishing, 209 212 214 216 218 220 223
common law, 66
communication, 743 745 751
community development, 613
composting, 68 256 361
computer simulation, 763
computer software, 84 647
computers, 647
concrete construction, 53
conferences, 1
conservation, 4 8 45 70 75 97 98 105 128 159 179 187 202 256 271 279 296 299 315 317 335 340 345 361 363 366 390 398 401 424 426 442 450 475 489 515 544 602 607 726 748 762 778
conservation authorities, 299 373
construction, 53 316 323 340 346 351 355 356 506
construction methods, 53
consumer education, 44 126 495
consumer products, 43 44 81
consumptive use, 29 743
contamination, 9 759
contingency floodproofing measures, 504
cost-benefit analysis, 459
costs, 29 609
creative works, 70 93 673
current literature, 1
curricula, 79 233 234 236 238 239 244 246 247 249-251 282 390 392 396 398 399 402 413 415 419 420 632 638-640 642 648 652 657 660 662 666 748 761 762 795
Cyanophyta, 210 211 213-216 218 221 224

D
dam construction, 379
damage, 377

dams, 85 310 336 377 379
data collections, 29 160 199 403 404 627 720 788
data gathering, 160
decision making, 200 282 460 726
design criteria, 287 288
developing countries, 79 660
Devils Lake Basin, 553
dictionaries, 102 678
dioxins, 177 469
directories, 1 388 515 540
disinfection, 18
dissolved oxygen, 209-224
diversion, 85 211 375 427 609 621
domestic wastes, 517 564 577
domestic water, 13 32 35 37 38 48 50 52 53 57 166 204 276 277 352 505 507 511 551 552 561 566 572 580 599 606 614 624 662 666 668 734
drainage water, 101
drilling, 506 524
drinking water, 9 17-19 23 37 40 48 50-52 55-57 60 61 63 103 277 309 312 320-322 352 368 374 467 511 513 541 554 556 561 565 571 572 574 576 577 580 588 599 606 614 618 619 624 626 627 639 642 648 660 670-672 745 776 781
drinking water quality, 374
drip irrigation, 58
drought, 278 329 609
drought management, 609
dug wells, 355
Dunk River, 518

E

Earth Day, 68
earth-water interfaces, 782
Eastern Ontario, 398
ecological effects, 377 752 786
ecology, 45 244 252 279 398 645 667 673
economic aspects, 25 28 46 280 307 328 330-333 509 510 520 583 609 757
economic development, 200 460 512 523 527
economic efficiency, 737
economic impact, 563 609
economics, 645
ecosystem approach, 307 308
ecosystems, 14 82 85 104 244 298 301 307 308 311 339 364 365 370 377 388 398 400 419 420 426 427 439 474 479 490 525 681 752 786
education, 1 161 192 234 271 296 496 509 750 754 777 791 792 793 795
educational materials, 69 95 100 673
effluent regulations, 29
effluents, 290
electric power, 190 402
electric power production, 651
elementary education, 70 71 95 96 192 233 296 392-395 631 638-640 778
elementary secondary education, 68 69 231 381 390 423 496 539 541 612 627 629 632 634 635 669
elevation, 73
Elk Island National Park, 192
Elmhurst, 766
emergency floodproofing measures, 504
emission reduction, 54
emissions, 27
emissions control, 369
energy, 45 97 105 233 296 396 402 681
energy conservation, 10 22 28 46 296 402 592 681
energy costs, 547
energy efficiency, 558 652
energy sources, 49 540
energy-efficient appliances, 22
enforcement, 52 207 334
engineering personnel, 751
enviromental quality, 74
environment, 74 473 777
Environment Ontario, 321 322
environmental decision making, 726
environmental education, 7 10 12 68 70 74 82 84 97 98 103-105 126 127 159 179 189 231 233 246 247 256 261 271 381 390 392 398 419 422 426 442 450 460 475 479 512 607 748 750 754 777 778 782 784 791 793 795
environmental effects, 2-5 7 12 26 41 60 84 98 110 165 168 189 250 257 292 300 301 303 304 313 318 319 330-333 339 359 370 371 375 377-380 382 383 385 400 419 459 469 479 489 519-521 539 543 554 568 575 583 588 593 595 596 605 609 621 623 682 687 784 790
environmental impact assessment, 66 200
environmental impact statement, 46 80 81 96 178 200 206 301 303 359 369 375 516 543 605

environmental information, 1
environmental law, 66
environmental legislation, 200
environmental monitoring, 200
environmental policy, 46 66 179 187 200-202 282 301 306 311 364 388 459 512 543 556 726 751 752 790 793
environmental protection, 4 8 10-12 35 44-46 49 54 62 65 66 68-70 75 80 81 84 95 97 99 102-105 123 126 127 175 179 186 187 189 192 200 203 206 207 231 234 238 247 256 261 272 273 279 281 282 290 295 298-301 307 308 311 315 317 345 346 361-366 369 372 378 385 392 398 401 420 422 424 442 450 453 460 475 489 512 540 543 544 556 559 568 574 575 578 589 595-597 602 607 613 624 645 646 726 747 748 750 751 762 777 778 790 791 793 795
Environmental Protection Act, 66
Environmental Protection Agency, 544
environmental quality, 21 46 54 85 175 192 256 365 540 607 634 720 751 753 777
environmental studies, 388
epidemiology, 374
erosion, 4 29 427 557 600
erosion control, 205 341 367 401 453 544 600
Essex Region, 459
estuaries, 178 516 525 528 754
estuarine environment, 516 754
Eurasian water milfoil, 170
eutrophic lakes, 209 210 213-224
eutrophication, 308 372 382 427
evaporation, 590 674
Exploits River, 537

F

farm wastes, 746
farming, 4 172 205 249 382 527
farms, 227
faucets, 734
federal government, 29 160
federal government departments, 1
fens, 381 384 426
fertilizers, 41 570
field trips, 398
filamentous algae, 210
fill permits, 323
filmstrips, 282
filters, 599
filtration, 40
financing, 760
fish, 71 111 168 171 196 210 270 279 281 292 293 300 371 390 421 473 474
fish behavior, 71
fish consumption, 292
fish farming, 71
fish management, 71
fish stocking, 372
fisheries, 315 427 518-521
fishing, 2 270 399 527
fishkill, 110 214-217 219 377
flash floods, 325
flood control, 201 323 324 329 336 338 351 504 553
flood damage, 6 201 324 338 360 510 537
flood damage reduction, 6 169 201 510
flood forecasting, 325 373
flood frequency, 510
flood peak, 360 537
flood protection, 201 325 373
flood risk mapping, 201 338
flood risk maps, 6
flood warning, 337
flood-prone areas, 340
flooding, 6 29 324 325 329 338 360 367 379 504 549
floodplain management, 323 338 351 373
floodplain mapping, 169
floodplain zoning, 334
floodplains, 6 169 323 334 351 373 510 537
floodproofing, 169 325 338 504
floods, 6 73 98 101 169 201 324 325 329 336 360 373 504 510 537
floodwater, 537
floodways, 6 338 504
Florida, 614 668
flow regulators, 336
flowing wells, 354
foaming, 326
food chains, 249
food production, 249
foods, 292
forest fires, 98
forest management, 98

197

forestry, 270 520
forests, 5 98 390 398
Freedom of Information Act, 66
freshwater, 491 789
freshwater resources, 788
Fresno, 765
fuel storage tanks, 568
furans, 177 469

G

games, 73 111 126 192 284 393-395 450 618 670 672
Gander River, 537
Garner Lake, 210
Garrison Diversion, 553
gauging stations, 337 403 404
geographic information system, 494
geography, 327
geologic history, 131 327
Gillette Company, 739
glaciers, 327 772
glossaries, 678
government role, 131
government supports, 609
governmental interrelations, 2 5 54 202 203 301 302 308 318 342 364 369 375 509
grade five, 238
grade four, 234
grade seven, 249
grade six, 239
GRAND Canal project, 375
Grand River, 315 324 327 329 335 337 340 341 343 348 349 351 353 366
Grand River Basin, 327
Grand River Conservation Authority, 324 329 335 337 340 349 353 366
Grand River Valley, 341 343 366
gravel, 315
gravel extraction, 315
Great Lakes, 42 48 298 301 303 304 307 308 310 328 330-333 342 345 350 357 359 363 365 370-372 374 375 388 392 399 400 420 421 427 459 541 583 605 609 645 720 752
Great Lakes Basin, 399
Great Lakes Charter, 375
Great Lakes Surveillance Program, 302
greater snow goose, 474
greenhouse effect, 609
Greenland, 73
groundwater, 9 20 30 42 48 65 199 202 239 262 263 288 343 354 491 493 506 509 517 522 528 539 548 549 553 557 566 568 570-573 578 588 589 593 598 600 603 618 621 623 624 629 632 657 663 669 678 682 685 687 759 761 772 773 781 792
groundwater availability, 343 493 548 549 598 629 682
groundwater education, 9 20 41 539 573 589 629 682 687 759 761
groundwater hydrology, 598
groundwater information, 60 343 356 493 506 522 524 566 570-572
groundwater level, 549
groundwater management, 41 166 202 548 549 572 573 589 618 629 759
groundwater mining, 669
groundwater movement, 20 60 549 589 603 663 682 687
groundwater pollution, 9 20 41 48 60 166 354-356 505 506 517 522 524 539 549 564 568 570-573 578 588 589 593 595 603 618 621 623 624 663 682 687 759 761
groundwater potential, 166 548 598
groundwater protection, 539 573 618
groundwater quality, 9 20 355 493 548 571 589 603 629
groundwater recharge, 343 549 687
groundwater storage, 549
groundwater supply, 20
groundwater terrarium, 663
guides, 43 46 65 227 261 262 450 606-609 621 626 645 720 746 747
Gull Lake, 211

H

habitat improvement, 104 376 453
Hamilton, 306 317 323
Hamilton Harbour, 85
Hamilton Region Conservation Authority, 317
Harp Lake, 313
hazardous materials, 10 46 52 55 82 105 168 174 260 261 495 539 564 570 575 577 578 618 623 687 740 786
hazardous waste disposal, 541 564 577 578
hazardous wastes, 44 168 261 575 597 623 740

hazards, 111
health hazards, 9
health risks, 561
heat, 402
heavy metals, 55 786
heritage, 645
high schools, 3 92 419-422 442 607 666 667
Hillsborough River, 519
historic floods, 510
history, 131 207 320 324 329 377 392 399 550 552 773
Holland River, 382
homes, 504
hot water, 507
household hazardous wastes, 261
household wastes, 261 539 564 577 578 618 623
housing, 540
human activities, 518 519 521
human body, 395
human health, 61 109 374
human wastes, 597
hunting, 270 521
Huron, 754
hydrocarbons, 505
hydroelectric power, 205 296 310 378 379
hydrogen ion concentration, 196 209-221 223 297 319 479
hydrologic budget, 393 638 643 685 772 786 790
hydrologic cycle, 20 31 43 65 92 199 233 242 249 263 304 393 394 491 557 603 642 646-648 657 661-663 666 669-672 678 683 687 772 781
hydrology, 209-212 214-224
hydrometric stations, 199

I

ice, 30 772
Illinois, 563 612 766
Illinois-Indiana Sea Grant Program, 612
impaired water use, 32 36
INCO, 379
Indiana, 612 766
Indianapolis, 766
indicators, 747
industrial development, 520
industrial plants, 54 467 737 739
industrial wastes, 110 177 370 372 505
industrial wastewater, 371 467 546
industrial water, 190 737 739
industry, 270 518 682
information programs, 764 765 766
inland waterways, 16 491 492
installation, 58
instream use, 34
instructional materials, 71 74 75 80 81 85 92 95 97 102-105 127 128 192 234 238 239 244 249 250 256-263 282 388 398 400 401 403-412 419 459 479 606 632 639 647 661 662 666 670-672 681-683 685 770 782
intermediate grades, 71 74 75 79-81 100-105 108-111 234 236 238 239 257-260 281 284 322 398-413 426 459 475 543 618 619 645-648 651 652 671 678 680-683 685 687 782
international agreements, 15 307 364
International Joint Commission, 310 362
international waters, 298 302 310 342 364 375 392
invertebrates, 196
Iowa, 761
irrigation, 58 205
irrigation water, 101 172 238
Island Lake, 212

J

Jackfish Lake, 213
James River Basin, 553
junior division, 402
junior high schools, 80 81 101 105 244 246 247 249 250-252 257-260 284 398 400 413 426 573 651 660-663 671 681 687 770
jurisdiction, 132 203

K

Kansas, 742
Kitchener, 335
kits, 41 65 68 74 75 79 84 85 189 234 238 239 242 244 249 250 390 400 419 420 450 606 632 646 657 661

L

Lac La Biche, 214
Lac La Nonne, 215

Lac Ste Anne, 216
lake basins, 209 212-214 216 222 223
Lake Erie, 330
Lake Huron, 331 345
Lake Isle, 217
lake level, 310
lake management, 206
Lake Michigan, 583 612
lake morphology, 209-224
Lake Ontario, 57 310 311 332 342 374
lake sediments, 213
lake shores, 338
Lake Simcoe, 382
Lake St Clair, 459
Lake Superior, 310 333
lake water, 374
lakes, 24 30 196 209-224 244 295 297 319 326 427 439 492 574 596 752 781 788
Lakewood, 667
lamprey, 372
land development, 178
land disposal, 7 570
land management, 159 572 596 601
land use, 6 159 175 178 209-224 270 330-333 427 509 520 583 595 596 601 720 789
landfills, 621
landscapes, 238
landscaping, 38
lead, 459 580 626
legal aspects, 56 66 167 369 552
legislation, 16 29 52 54 56 66 187 202 207 287 369 543 559 573 758
licenses, 167 346
licensing, 356
life cycles, 605
Illinois, 574
long range transport of airborne pollutants, 17
long-term planning, 460
Lorena, 742
low flow, 335

M
maintenance, 58 356
management, 42
management planning, 752
Manitoba, 82 190 191 292-294
mapping, 169
maps, 73 196 334 400 474
marinas, 305
marine biology, 496
marine ecology, 612
marine education, 496
marine environment, 21 165 496 541 612
marine resources, 496
marshes, 123 381 384 426 544 602 673
mass media, 745
Massachusetts, 551 567 580 586 591 634 639 666 737
Massachusetts Water Resources Authority, 586
media, 745
meetings, 1
mercury, 279 292 293
Mesa, 764
mesotrophic lakes, 211 212
Metropolitan Toronto, 299 311
Metropolitan Toronto and Region Conservation Authority, 299
metropolitan water management, 567 586
Michigan, 459 539 568 573 578 588 593 603 606 613 618 687 720
Mill Creek, 406
mineral water, 48 50 51 55 511 614
mining, 270
Minnesota, 543
MISA, 314
Missinaibi Provincial Park, 378
Missinaibi River, 378
Missouri, 762
Missouri River Basin, 553
model studies, 14 761 763
monitoring, 164 219 247 308 312 322 337 353 509 720 752
Montague River, 521
Montreal, 307
Moose Lake, 218
Moose River, 378
multipurpose projects, 29
Municipal Industrial Strategy for Abatement, 314 372
municipal sewage, 347
municipal wastewater, 287 372 546

municipal water, 25 48 51 52 190 191 227 276 277 288 320 513 541 546 565 571 577 587 608 742 764
municipalities, 555
muskrats, 474
mussels, 295 605
Myriophyllum, 170

N
Nakamun Lake, 219
National Environmental Policy Act, 66
national parks, 279 753
native peoples, 197
natural resources, 70 80 81 127 128 234 270 328 330-333 379 390 405-412 559 583 645
Nelson River, 190
New Brunswick, 82 490-492 494 495 504 505
New York, 413
New Zealand, 770
Newcastle, 505
Newfoundland, 490-492 494 495 537
newspapers, 68 390
nitrates, 576 588
nitrogen, 209-217 219-224
nitrogen compounds, 790
nitrogen cycle, 784 790
noise, 7 12 258
nonpoint pollution sources, 209-224 348 746 747
North America, 3 70
North American Indians, 70
North Dakota, 553 632 635
North Saugeen River, 407
Norton Creek Basin, 282
Nova Scotia, 82 490-492 494 495 506 509 510 512 513
nuisance algae, 210 213-216 221 224
nutrients, 209-224 746 747
nutrition, 292

O
ocean disposal, 21
ocean dumping, 165
oceans, 782
octachlorostyrene, 459
Ohio, 754
oil, 568
Oldman River, 85
on-site investigations, 381 398
Ontario, 57 66 85 101 297-300 302 305-349 351 353-357 360 361 366-368 373-375 377-379 381-384 398 401-412 419 422 423 426 450 453 459 460 543 652
Ontario Ministry of Natural Resources, 325 401
organic compounds, 372 459
organizations, 46 515 540 737
Ottawa River, 336
Otter Creek, 408
outdoor education, 247
overburdened wells, 354
oxygen depletion, 382

P
packaging, 44
PAHs, 469
parent guides, 45 778
parks, 270
path of pollutants, 17 96 303 369 459 543 746 786
PCBs, 469
peat, 384
peat bogs, 123
Penetangore River, 409
permanent floodproofing measures, 504
permits, 288 316 334 351
pesticides, 41 189 300 554 570 746 747
pH, 14 196 209-221 223 297 319 494
phosphorus, 209-224 372 382 784
phosphorus removal, 342
photographs, 773
photography, 384
physical inventory, 494
physical properties, 31 773 781
piezometers, 199
Pigeon Lake, 220
Pine Lake, 221
planets, 782
planning, 197 206 385 559 738 742 750 765
planting management, 376
plants, 270
Plastic Lake, 313
plumbing, 652 734 758
poisons, 580

Polaroid Corporation, 739
policy making, 159 307
political aspects, 131 203 459
pollutants, 17 19 165 326 350 400 469 556 566
pollution, 42
polychlorinated biphenyls, 82 165 427 459 469
ponds, 229
population dynamics, 427
port facilities, 307
posters, 26 75 96 234 239 249 263 419 423 439 450 474 528 623 624 651 657 669 677
postsecondary education, 14 427 494 792
potable water, 259 288 415 561 626
precipitation, 491 590 674
preschool education, 778 781
pricing, 509
primary education, 73 93 97-99 256 396 424 642 643 670-674 677
Prince Albert National Park, 279
Prince Edward Island, 490-492 494 495 515-528
private sector, 760
problem solving, 750
programs, 29 271 315 317 322 335 453 559 635 720 737 739 740 742 748 750 752 754 759
project planning, 197 640
provincial territorial departments, 1
Prudential Center, 739
public education, 43 65 302 489 745 759 766
public health, 19 51 56 277 292 293 301 303 312 350 359 363 364 371 374 459 505 550 554 561 576 580 588 593 626
public opinion, 203 294 751
public participation, 8 10 11 28 32 35-38 44 66 123 160 168 172 175 197 203 294 301 341 357 365 369 376 453 459 495 509 555 556 559 564 568 587 589 592 593 601 602 607 608 613 624 720 727 738 740 751-753 757 759 760 764
public policy, 726
public programs, 727 760
public relations, 743 745 764 765
publications, 388 540
pulp and paper industry, 177
pump wells, 79
pumps, 166
puzzles, 126 263 618 670 672

Q

Quabbin Reservoir, 567 586
Quebec, 298 307 310 328 336 365 375 380 385 467 469 472-474
Quebec City, 307
questionnaires, 46

R

rain, 643
rainfall, 173 337 590 643 782
rainfall data, 590
rapids, 379
raw water, 374
recreation, 40 186 212 213 220 223 290 307 344 359 379 509 519 521 563 645
recreation facilities, 18 300 305 344 378 383 525 544 651
recreational boating, 563
recreational use, 29
recycling, 10 44 45 68 81 100 105 126 168 256 296 361 539 577 594 597 607
Red River, 293 294
Red River Basin, 553
reedswamps, 384
reforestation, 335 340 341
Regina, 276 280
Regional Municipality of Waterloo, 315 361
regulations, 81 310 314 323 334 351 373
Remedial Action Plans, 357 372
remote sensing, 494
research priorities, 11 49
reservoirs, 335 336 349 586 632
residential water use, 735
resource conservation, 540 645
resources development, 270 512 795
resources management, 179 279 390 413 512 607 726 795
retrofitting, 652
Rhode Island, 608
river basins, 30
river flow, 30 335
rivers, 24 26 30 98 250 251 338 377 378 405-412 492 557 574 596 640 720 772 781 788
Rocky Saugeen River, 410
Rouge River, 720
rural areas, 79 190 191 316 549 595

S

Saguenay River, 467
salinity, 196 210 211 213-216 218-224
salt marshes, 490 516
San Jose, 608
sand, 490
Sandy Lake, 222
sanitary engineering, 287
sanitary landfills, 570 687
sanitary wastewater, 347
sanitation problems, 473
Saskatchewan, 190 191 276-282 287 288 290
Saskatchewan River, 190
satellite imagery, 494
satellite technology, 494
Saugeen River, 344 401 403 406 408
Saugeen Valley Conservation Authority, 345 401
schools, 160 626
scientific personnel, 751
Sea Grant programs, 605
sea level, 73
secondary education, 7 12 14 82 84 85 126-128 242 261-263 282 299 303 307 309 319 320 322 415 427 439 459 479 490 491 494 512 543 544 546 548 552 553 556 557 579 590 606 618 619 621 631 645 647 657 678 720 772
sediment transport, 4
sedimentation, 472 600
sediments, 746
sensitivity analysis, 14 297 494
septic tanks, 346 517 539 570 593 595
settlements, 473
sewer systems, 287 316 346 517
sewers, 287
shellfish, 516 520
shore protection, 345
shoreline cover, 345 383
shoreline management, 345
shores, 171 345 383 596
showerheads, 734
shrubs, 376
simulation, 84 763
site selection, 595
Skeleton Lake, 223
sludge disposal, 594
sludge management, 594
sludge utilization, 587 594 680
small business, 740
snow, 30 782
snow courses, 337
snowmelt, 494
Snyder Flats Rehabilitation Plan, 315
social aspects, 74 85 757
social impact, 609
socio-economics, 270
sodium, 55
soil conservation, 299 390 401
soil contamination, 4
soil erosion, 518 526 600
soil management, 594
soil water, 58 491 772
soils, 14
solar energy, 13 296
solar water heaters, 13
solar-heated water, 13
solid waste disposal, 597
solid wastes, 126 597
Souris River, 293
Souris River Basin, 553
South Saugeen River, 403 411
Southern Arizona, 727
Spanish River, 379
species composition, 209 211-213 217 218 222
sport fishing, 209 211-214 216-218 220-224 279 762
spring water, 48 50 51 511
St Clair River, 459
St Lawrence Action Plan, 385
St Lawrence River, 42 298 307 310 365 380 385 467 469 472-474
steel industry, 306
storage tanks, 60 568
storm drains, 168 287
storm runoff, 287
storm sewers, 168
stream banks, 376 453
stream degradation, 377
stream erosion, 171
stream fisheries, 377
stream improvement, 341 453
streamflow, 171 377 553

Streamflow Forecast Centre, 325
streams, 171 377 596
structural engineering, 349
student participation, 668
students, 160 668
sulfur cycle, 784
sulfur dioxide, 5 339 369
sulfuric acid, 14
surface water, 42 199 262 263 288 290 326 491 509 518-521 523 528 553 632 678 685 747 773 781 792
surface-groundwater relations, 213 523 570 579 593 598 669
surveys, 459 753 759
sustainable development, 80 81 104 270 271 307 460 795
swamps, 123 381 384 426 544 602

T

tap water, 368
taste, 51
teaching, 73 413 422 667
teaching guides, 68-70 74 75 79-82 84 85 92 233 234 236 238 239 242 244 246 247 249-251 281 282 296 390 392 396 398-412 415 419-421 459 512 631 632 638 639 642 646-648 660-662 666 778
technology, 85 246 385 734 738
Teeswater River, 404 412
telemetry, 199
Tennessee, 759
test wells, 166
testing procedures, 571 720
Texas, 640 742
Thames River, 360 367
thunderstorms, 635
Togo, 79
toilets, 734
Tonoumassé, 79
topographic mapping, 405-412
Toronto, 57 299 311 368 374
total dissolved solids, 209-224
tourism, 307 518 520 527
toxic chemicals, 42 82 292 374 459 489 621
toxic pollutants, 303
toxic substances, 350 359 469
toxic wastes, 85
toxicity, 303 314 350 359 363 371 374 421 459 467 469 489 505
trace metals, 165 459
trade, 473
training, 41
transboundary problems, 369
transpiration, 590
transportation, 105 399 651
trees, 376
trihalomethanes, 368 374
trophic level, 196-224 427
trophic status, 209
Tucson, 766
turbidity, 171

U

underground storage, 539 568 687
United Nations Environment Programme, 793
United States, 2 3 5 15 27 54 73 298 301 302 310 318 328 330-333 342 359 362-365 369 370 375 392 413 420 459 539-541 544 546 548 549 551-554 556 558-561 563-568 571-580 583 586-600 602 603 605 606 608 612-614 618 619 622-624 626 627 629 632 634 635 638 639 642 645 648 651 660 662 666-668 671 673 682 687 720 727 734 737-740 742 743 745-748 750 754 757-759 761-763 765 766
universities, 1 792
Upper Thames River, 334
Upper Thames River Conservation Authority, 360
urban areas, 190 382 565
urban runoff, 174 367
urbanization, 301 473 520
utilities, 743 745

V

Valleyfield River, 521
vegetation, 171 196 376 384 474 773
videocassettes, 41 65 79 80 81 85 178 242 385 442 525-527 537 606 619-622 657 661 687

W

waste discharge, 29

204

waste disposal, 7 12 36 37 45 81 100 105 168 174 189 258 260 261 300 305 361 400 495 539 540 564 570 575 577 578 595 597 618 623 687 761

waste management, 44 46 82 105 261 564 575 594 597 627 740

waste recovery, 45 68 126 256 594 597

waste reduction, 10 68 740

waste treatment, 577

wastes, 597

wastewater, 239

wastewater disposal, 52 110 303 316 346 517 570 685

wastewater facilities, 287 546

wastewater treatment, 12 260 347 519 546 565 587 651 661 680

water, 70 108 284 384 395 396 424 604 678 773

water allocation, 282 789

water analysis, 353 566 667

water audit, 739

water awareness, 609 613 742 764 766

water boundary, 427

water budget, 393

water conservation, 8 10 22 28 29 33-38 42-44 46 65 79-81 93 100-103 128 132 172 175 189 204 227 230 231 234 236 238 239 242 247 249 251 259 262 272 274-276 278 280 281 284 299 341 361 366 375 390 396 402 413 421 495 507 509 515 540 547 550 551 555 558 560 565 567 586 591-593 608 609 618 621 622 627 631 632 634 635 638-640 642 646-648 652 657 662 666 669-672 674 677 685 687 727 734 735 737-739 742 743 757 758 760 764-766 778 789

water costs, 204 547 558 565 591 592 619 742 743 758

water cycle, 393 394 579 781

water delivery, 662

water demand, 132 552 560 586 608 660 668 735 743 758 770

water depth, 244

water distribution, 199 288 640 669 671 672

water dowsing, 598

water ecology, 667

water education, 17 30 31 34 43 69 70 73 75 79 84 85 92 93 95 98 99 103 127 128 160 161 229 231 234 236 238 239 242 244 246 249-252 258-260 262 263 272 273 281 284 303 309 312 320 362 388 390 392-396 398-413 415 420 421 424 426 427 450 496 541 543 546 548 556 579 590 604 606 612 613 618 619 621 627 631 632 634 635 638-640 642 643 645-648 651 652 657 660-663 666 667 669-672 674 677 678 680 681 683 685 720 752 754 757 760 762-764 770 772 781 786 792

water education curricula, 164

water efficiency, 738

water export, 375

water filters, 599

water heaters, 13

water information, 8 16-26 29-31 33 34 40 48 50-52 55-58 61 63 65 101 108 109 132 165 168 172-174 177 190 191 207 209-224 227 230 272 274-278 280 294 298 300 304 321 329 334-336 348 350 352 353 359 362-364 367 368 370 373-375 382 383 472 491 505 507 511 513 516 518-521 523 525-528 547 551 553 555 560 574 604 608 614 619 622 727 758 776

water law, 609

water level, 30 304 310 337 427

water level fluctuations, 209 211-213 216-218 220 304 609

water licensing, 167

Water Literacy Program, 234 238 239 272 273

water literacy project, 252

water management, 7 16 28 29 32-34 38 43 62 65 85 92 101 131 160 161 170 191 197-199 201-207 230 231 236 246 249 251 262 274 276 284 290 294 307 309 321 329 334 340 349 353 405-412 415 427 491 509 513 518-521 523 525 527 528 541 553 556 560 567 586 609 613 622 631 632 635 646 647 651 662 669 678 727 738 739 742 743 745 748 763 785 792

water measurement, 32

water metering, 32

water policy, 16 131 160 198 509

water pollution, 4 7 12 17 21 26 29 44 57 62 71 84 92 95 96 99 100 101 110 111 126 127 132 165 174 177 242 251 258 260 281 293 298 303 309 326 329 342 348 359 363-365 380 382 385 392 396 400 402-404 413 419-421 427 469 472 475 479 490 491 495 515 526 541 561 574 576 587 600 621 646 647 657 681 685 720 747 778 782 784 785 790

water pollution control, 7 12 17 24 44 52 65 75 80 84 126 165 298 300-303 305 307 308 311 314 322 328 330-333 350 357 359 362-365 367 370 372 380 385 392 427 459 467 472 541 564 570 577 583 587 602 624 661 682 740 746 789

water pollution effects, 17 111 165 292 293 348 400 419 576
water pollution prevention, 260
water pollution sources, 3 17 99 110 165 174 177 209-224 261 303 342 348 359 364 370-372 382 385 392 403 404 421 427 459 467 469 472 505 554 556 580 600 601 746 785 786 789
water pressure, 674
water pricing, 25 34 204
water properties, 31 42 108 233 250 394 604 631 638 647 683
water quality, 2 3 5 10 17-19 21 23 26 29 34 40 42 46 48 50-52 55-57 60 62 63 69 71 75 92 95 96 101 103 105 110 111 161 164 166 168 171 174 175 177 186 191 196 204 206 209-224 230 233 234 236 239 242 247 250 252 260 261 272-274 279 281 284 290 292-294 297 300 302 303 307 309 311-314 320 322 326 328 330-333 342 348 350 353 355 357 359 363 364 367 368 370 371 374 382 383 385 392 400 401 403 404 415 419-421 424 427 453 467 472 491 492 505 509 511 513 515 518-521 526 541 544 550 554 556 561 564-566 571 574-577 583 595-597 599-601 606 612 614 618 619 621 624 626 627 631 632 639 646 657 660 666 667 674 678 680 681 720 745-747 773 776 782 785 786 788 789
water quality control, 522 526
water quality management, 16 21 174 277 294 295 298 301 302 308 311 314 322 328 330-333 342 357 362 364 365 367 385 467 469 472 541 583
water quality measurement, 164
water quality monitoring, 312 353 720
water quality standards, 17 19 23 24 56 277 290 294 368
water quantity, 307 509
water rates, 25 560 619
water requirements, 109 467 586
water resources, 29 43 80 97 101 127 132 161 173 199 206 234 238 239 242 246 249 263 278 309 321 340 341 349 390 398 413 526-528 540 541 563 586 613 627 632 634 635 646 727 785 788 792
Water Resources Act of Alberta, 207
water resources development, 132 509
water resources management, 43 132 198 206 207 234 321 340 349 401 491 563 613 635 792
water resources planning, 206
water reuse, 34
water rights, 167 204 207 246 609
water sampling, 353
water scarcity, 251 660
water shortage, 132 227 278 375 557 622 735 743 785
water storage, 53 288 586 632
water supply, 19 20 30 34 42 53 57 79 92 101 132 161 173 174 191 204 206 236 238 239 242 246 262 263 273 278 288 290 307 335 343 359 396 467 491 493 505 509 513 518 519 521 522 527 541 546 552 554 556 557 566 579 586 589 606 608 609 614 618 621 622 624 639 640 646 647 651 657 660 662 669 674 685 727 772 785
water supply development, 79 166 727
water supply systems, 586
water table, 603
water tanks, 53
water temperature, 171 209-224 244
water transfer, 375
water treatment, 18 40 50 52 57 63 230 288 300 309 312 320 321 347 352 396 402 415 556 557 561 566 580 599 606 621 642 648 657 660 661 667 669 671 678 680 685
water treatment facilities, 57 321 374 546 587 661 669 680
water use, 20 22 24 28 32-38 42-44 46 65 79 92 93 101 103 109 131 167 170 172 173 190 199 204 206 227 233 234 236 238 239 246 247 249 251 259 262 263 273-276 278 280 281 290 294 296 309 328 330-333 341 390 396 400 402 467 491 507 519 521 540 541 547-553 555 557 558 560 567 583 591 592 608 621 622 627 631 634 638-640 642 646-648 651 652 660 662 666 668-672 677 683 734 735 737-739 742 743 757 758 764 766 770 778 781 785 789
water use efficiency, 34 758
waterfowl, 423 673
waterfront development, 307
Waterloo, 335 361 652
watershed hydrology, 335
watershed management, 311 401 601
watersheds, 209-224 405-412 518 519 521
waterways, 323
weather, 782
well casings, 524
well construction, 524
well permits, 356
well regulations, 355
well water, 355 524
wells, 166 191 355 356 491 506 539 549 554 566 595 627

Westchester County, 413
WET program, 635
wetlands, 11 75 123 159 274 282 315 335 340 351 381 384 385 423 426 427 442 450 474 509 544 559 602 609 673
whales, 380
wilderness areas, 40 186
wildlife, 69 93 100 178 192 196 379 390 473 509 521 770
wildlife conservation, 11 69 75 100 103 270 398 426 450 495 515
wildlife habitats, 11 69 75 100 104 123 178 247 270 303 307 315 359 363 376 381 384 385 420 423 426 439 442 450 474 526 544 602 673 778
wildlife management, 187 270
Wilmot River, 518
Winnipeg, 294
Winnipeg River, 293
Wisconsin, 592
withdrawal use, 34
Wizard Lake, 224
workbooks, 97 256 670-672
workplaces, 46
World Conservation Strategy, 271

Y

Yukon Territory, 186 187

Z

zebra mussel, 295

NAME INDEX

A

Access Network, 80 81 242
Acid Rain Foundation Inc, 543
ADAMS, S., 274
Agriculture Canada, Prairie Farm Rehabilitation Administration, 191
Alberta Agriculture, Engineering Services, 191
Alberta Education, 233
Alberta Education, Curriculum Branch, 246 247
Alberta Environment, 197-207 227 242 257-261 263 272
Alberta Environment, Education Branch, 256
Alberta Environment, Environmental Quality Monitoring Branch, 209 211-213 216-218 220
Alberta Environment, Pollution Control Division, Water Quality Control Branch, 210 214 215 219 221-224
Alberta Environment, Water Quality Control Branch, 222
Alberta Environment, Water Resources Management Services, Planning Division, Water Conservation Section, 262
American Ground Water Trust, 566 570 629
American Water Resources Association, 651
American Water Works Association, 619 622 642 648 660 669 670 672 677 743
American Water Works Association, California Nevada Section, 647
ANIONS, D., 279
ATTFIELD, P., 393-395

B

BAILEY, E.A., 273
BALDWIN, H., 604
BANIK, A.E., 561
BAUMANN, D.D., 766
BAZAR, R.M., 102
BECKER, M., 752
BERINGER, A., 750
BILLINGTON, C., 373
BILLINGTON, C. (ed), 398
BLOOMFIELD, M. (ed), 46
BLOOMGREN, P., 571
BOCK, R., 671
BRANDT, T., 281
BRANLEY, F.M., 685
British Columbia Medical Association, 174 175
British Columbia Ministry of Environment and Parks, 168 170 172
British Columbia Ministry of Environment, Fish and Wildlife, 171
British Columbia Ministry of Environment, Water Management Branch, Floodplain Mapping Program, 169
Brock University, Institute of Urban and Environmental Studies, 427
BROWN, M. (ed), 515
BROWN, Q., 751
BRUCHAC, J., 70
BRUEMMER, L., 571
BUTLER, P., 734

C

CADUTO, M.J., 70
CAME, B., 54
CAMERON, A., 93
Canada Committee on Land Use, 159
Canada Communication Group (CCG), 28 32 35-38
Canadian Daily Newspaper Publishers Association, 68
Canadian Embassy, 5
Canadian International Development Agency (CIDA), 127 128
Canadian Wildlife Federation, 69 75 100 104
CARDIFF, S., 279
CARLILE, M., 727
CELONA, S.A., 413
Channing I Bete Co Inc, 680
CHESTERS, G., 726
CHISHOLM, P., 54
CHOW, V.T. (ed), 792
CHRISTIE, W.J., 752
City of Regina, 280
City of Regina, Municipal Engineering Department, 276
COLE, J., 674
COLLINS, C. (ed), 46
Committee of Atlantic Environment Ministers, 490
Commonwealth of Massachusetts, Special Legislative Commission on Water Supply, 737

Consumers' Association of Canada, 51
COOK, R.B., 784
COON, D., 9 60
COON, H.L., 631
COOPER, K., 303
COOTE, D.R., 4
CORELLI, R., 380
COTE, R., 512
COWDEN, J.W., 752
CROWELL, R.L., 560
CUNDIFF, B., 422
CUSO, Carleton Local Committee, 79

D
DAVIES, K., 374
DAVIS, K.S., 557
DEHR, R., 102
DENHOLM, C., 778
Department of the Environment, 1
Department of the Interior, US Fish and Wildlife Service, 673
DISINGER, J.F., 795
Dominion Foundries and Steel, Limited (DOFASCO), 306
DRIEDGER, S.D., 54 368

E
Earthworks Group, 607
EBERHARDT, A., 310
Ecology Center of Ann Arbor, 687
Ecology House, 22
Ecowater Systems, 657
EDGETT, R., 310
ELLIS, T., 105
Encyclopaedia Britannica Educational Corporation, 621
Energy, Mines and Resources Canada, 49 296
Entrex Software Inc, 84
Environment Canada, 3 7 12 15 23 25 27 28 32 35-38 40 43 95 126 298 308 338 357 385 524 526 528
Environment Canada, Atlantic Region, 489 516-523
Environment Canada, Atlantic Region, Departmental Communications Unit, 495
Environment Canada, Canadian Wildlife Service, 123
Environment Canada, Communications Branch, Western and Northern Region, 189
Environment Canada, Communications Directorate, 44
Environment Canada, Conservation and Protection, 17 20 21 30 31 34 42 80 81 96 492 493 504 510
Environment Canada, Conservation and Protection, Inland Waters Directorate, 16 494
Environment Canada, Conservation and Protection, Ontario Region, 427
Environment Canada, Conservation and Protection, Quebec Region, St Lawrence Centre, 467 469
Environment Canada, Flood Damage Reduction Program, Pacific & Yukon Region, 169
Environment Canada, Inland Waters and Lands Directorate, 14
Environment Canada, Inland Waters Directorate, Committee of Atlantic Environment Ministers, 491
Environment Canada, Inland Waters Directorate, Flood Damage Reduction Program, 6
Environment Canada, Inland Waters Directorate, Western and Northern Region, 26
Environment Canada, Ontario Regional Office, 342
Environment Canada, St Lawrence Centre, 472 474
Environment Canada, Water Quality Branch, 24
Environment Council of Alberta, Environmental Education Advisory Committee, 271
Environment Ontario, 99 297 300 305 313 314 316 319-322 326 339 346 347 354-356 427
Environment Ontario, Great Lakes Section, 357
EVERETT, P.B., 735

F
Federation of Ontario Naturalists, 363 419 420 423 439 442 450
Fisheries and Environment Canada, 29
Fisheries and Oceans Canada, 71
FITZSIMMONS, M., 279
FORD, J., 745
FORTNER, R.W., 754
FREDETTE, J., 745
Freshwater Foundation, 575 595-597 599 601
FRIED, J.J. (ed), 792
Friends of Environmental Education Society of Alberta, 231

G
GELLER, E.S., 735
Geography Department of l'Université Laval, 473
GEORGE, G., 761
Gillette Company, 739
GILLIAM, L.O., 734
GLADSTONE, A., 179
GOFF, K., 229
GOSSAGE, P., 131
Government of Manitoba, 292
Government of the Yukon, Department of Renewable Resources, 186
Grand River Conservation Authority, 315 324 327 329 335 337 340 341 343 348 349 351 353 366
GRANT, J.E., 103
GRAVELINES, G., 230
GRAY, J., 111
Great Lakes Commission, Task Force on Drought Management and Great Lakes Water Levels, 609
Great Lakes United, 365
GROSS, M.P. (ed), 748 759 761-763

H
HADA, H., 281
Hamilton Region Conservation Authority, 317 323
HAMPEL, L., 164
HANNELL, C., 92
Harmony Foundation of Canada, 10
HARNETT, L., 281
HARROLD, M., 380
HARSHMAN, R., 92
HAYES, J., 745
Health and Welfare Canada, 23 40
Health and Welfare Canada, Environmental Health Directorate, Health Protection Branch, 18
Health and Welfare Canada, Health Protection Branch, 19
HELGASON, G., 252
HELSTOWSKI, L. (ed), 539
HERMAN, J., 734
HIBLER, M., 55
HICKMAN, P., 381
HOEKSTRA, B., 663
HOPKINS, S. (ed), 778
HOUGAN, G., 511
HUFF, L. (ed), 515
HUNGERFORD, H.R., 777
HUTCHESON, M., 512

I
ILLICH, I., 550
Illinois-Indiana Sea Grant Program, 612
International Joint Commission, 350
International Joint Commission, Great Lakes Regional Office, 362 388

J
JACKSON, S., 65
JACKSON, T., 745
JAMES, I.C., 552
JEFFERY, W., 762
JENSEN, H., 52
JOHNSON, L., 8

K
KAMMERER, J.C., 552
KAY, B.H., 165
KEATING, L., 652
KEATING, M., 372
KIDD, J., 56
KIIL, S., 45 97
KINGSMILL, S., 383
KLINKHAMMER, M.L., 681
KNITTIG, M., 681
KNOX, S., 778
KOCI, R., 312
KOURIK, R., 58
KOYAMA, K., 667
KRIZEK, R.J. (ed), 792
KUSALIK, T., 281

L
LAHM, A.C., 754
League of Women Voters of Michigan (LWVMI), 573 606
LECKER, C., 776
LENNERT, J.W., 73

LEOPOLD, L.B., 557
LIROFF, R.A., 364
LLOYD, J., 304
London Free Press, 360
LONGSTAFF, F., 379
LOVELAND, D.G., 556
LYON, A.E., 759

M
MAASS, O., 512
MACKENZIE, H., 54
Manitoba Environment, 294 295
Manitoba Interdepartmental Working Group, Mercury in Fish, 293
Maplewood Educational Consultants, 666
Marbek Resource Consultants, 13
MAREAN, J.H., 160
MARMAN, L.B., 604
MARTIN, J., 164
Massachusetts Department of Environmental Quality Engineering, 580
Massachusetts Water Resources Authority, 551 567 586 591 634 639 662 666
MAURITS LA RIVIERE, J.W., 785
MCLEAN, R.S., 415
MCLELLON, W.M., 668
MCLEOD, F.E., 415
MCMURRAY, W., 640
Memorial University of Newfoundland, Whale Research Group, 496
Metropolitan Toronto and Region Conservation Authority, 299
MEYERHOFFER, J.C., 284
Michigan State University, Michigan Sea Grant College Program, 328 330-333 583
Michigan United Conservation Clubs, 682
MILLAR, S., 65
MILLS, T., 763
MILLYARD, K., 303
MILNE, M., 62
Ministère de l'Environnement du Québec, Division de l'éducation, 479
Minnesota Department of Education, 543
Minnesota Department of Health, 543
Minnesota Department of Natural Resources, 543
Minnesota Pollution Control Agency, 543
Minnesota Soil and Water Conservation Board, 601
MITCHELL, M.K., 720
MITCHELL, P. (ed), 196
MITCHELL, S., 560
Monsanto Canada Inc, 41
MORRIS, M., 559
MORRIS, W.V., 132
MSU Institute of Water Research, GEM Program, 618
MUECKE, A., 513
MUNCHEE, D., 312
MURRAY, C.R., 552
MYERS, C.R., 734

N
NACE, R.L., 772
National Film Board of Canada (NFB), 85 127
National Survival Institute, 82 161 236 251
National Wildlife Federation, Water Resources Program, 608
New Brunswick Department of Municipal Affairs and Environment, Water Resource Planning Branch, 504
NICHOLS, M., 52 505
NIXON, D., 54
NOE, F.P., 753
North Dakota State Water Commission, 553 632 678
Northwestern University, Center for Urban Affairs an Policy Research, 427
Nova Scotia Department of Mines and Energy, 507
Nova Scotia Department of the Environment, Resource Management and Pollution Control Division, 506
NUSSBAUM, H. (ed), 782

O
OGHALAI, R., 592
OJHA, B., 74
Ontario Federation of Anglers & Hunters, 426
Ontario Ministry of Consumer and Commercial Relations, 352
Ontario Ministry of Education, 396 402
Ontario Ministry of Energy, 396 402
Ontario Ministry of Natural Resources, 325 338 423

Ontario Ministry of the Environment, 302 308 318 342 352
Ontario Ministry of the Environment, Information Services Branch, 309
Ontario Newspaper in Education Association, 390
Ottawa River Regulation Planning Board, 336
OUELLET, D., 475

P
PALENSHUS, D., 763
PARKER, K. (ed), 539
PARKER, S., 683
Parks Canada, Western Region, 192
PARSONS, J., 376
PASSINEAU, J.F. (ed), 748 759 761-763
PENNISI, C., 645
PERFETTI, P.B., 747
PERLIN, M.E. (ed), 539
Pollution Probe (comp), 48 359
Prairie Provinces Water Board, 190
PREPAS, E. (ed), 196
PRICE, C.L., 631
Prince Edward Island Department of Community & Cultural Affairs, 516 517 522 523 526 528
Prince Edward Island Department of Community & Cultural Affairs, Water Resources Branch, 524
Prince Edward Island Department of the Environment, 518-521 525 527
Province of British Columbia, 167
Province of British Columbia, Ministry of Environment, 173
Province of British Columbia, Ministry of Environment, Water Management Branch, Groundwater Section, 166
Public Advisory Committees to the Environment Council of Alberta, Renewable Resources Sub-Committee, 270
Public Focus, 460
Pullman Health Systems, 576

Q
QUINN, H., 50 177

R
RANKIN, M., 66
Regional Municipality of Ottawa-Carleton, 28 32 35-38
Regional Municipality of Waterloo, 361
REICHHELD, B., 556
REID, R., 378 421
REYNOLDSON, T., 164
ROBERTS, D.A., 415
Rocky Mountain Institute, The Water Program, 738
ROOTS, J., 512
ROSS, M., 74
Royal Commission on the Future of the Toronto Waterfront, 311

S
SARDINSKY, R., 540
Sask Water, 275
Saskatchewan Department of the Environment, Public Information and Education Branch, 282
Saskatchewan Environment and Public Safety, Water Quality Branch, 277 287 288 290
Saskatchewan Research Council, 191
Saskatchewan Water Corporation, 33 191
Saugeen Country Tourism Association, 344
Saugeen Valley Conservation Authority, 345 401 403-412
SAUNDERS, G.L., 98
SCANLAN, T., 105
SCHNEIDER, W.J., 600
SCHUETT, M.A., 563
SCOTT, A., 375
SCOTT, S., 307
SEWELL, B.H., 614
SHAPP, C., 781
SHAPP, M., 781
SHARFF, B., 635
SHEFFIELD, J., 778
SIMS, J.H., 766
SNOW, R., 753
SNYDER, F.L., 605
SNYDER, J.H., 560
Society, Environment and Energy Development Studies Foundation, 234 238 239 249
Soil and Water Conservation Society, 646

Soil Conservation Society of America, Ontario Chapter, 101
Southern Arizona Water Resources Association, Inc, 638
STAPP, W.B., 720 750
STEUBING, M., 778
STOKER, D., 244 250
STOUTEMYER, K., 757
STRANKAY, K., 281
STRUNK, J.W., 759
STUBBS, H.S., 681
STUMM, W., 786
SULLIVAN, M. (ed), 556
SWANSON, D., 53
SWITZER-HOWSE, K.D., 4

T
Task Force on Clean Water, 509
TERRELL, C.R., 747
TESTA, A., 764
Thames River Implementation Committee, 367
THOMPSON, S.C., 757
Tip of the Mitt Watershed Council, 568 578 588 593 603
TODD, D., 765
Tri-Media Production Services Ltd, 537
TUNNEY, M., 505

U
UNDERWOOD, N., 57
UNESCO, 791 793
Université Laval, Geography Department, 474
University of Illinois at Urbana-Champaign, Cooperative Extension Service, Region II, 574
University of Michigan Biological Station, Regional Groundwater Center, 623 624
University of Windsor, Great Lakes Institute, 459
Upper Thames River Conservation Authority, 334 367
US Department of Agriculture, Extension Service, Water Quality Initiative Team, 627
US Department of Agriculture, Soil Conservation Service, 746
US Department of the Interior, Bureau of Land Management, 651
US Department of the Interior, Bureau of Reclamation, 651
US Department of the Interior, Geological Survey, 548 579 590 598 651
US Environmental Protection Agency, 555 589 608
US Environmental Protection Agency, Great Lakes National Program Office, 392 427
US Environmental Protection Agency, Office of Pesticides and Toxic Substances, 554
US Environmental Protection Agency, Office of Water, 544 742
US Environmental Protection Agency, Office of Water, Office of Drinking Water, 626
US Environmental Protection Agency, Office of Wetlands Protection, 544

V
VALLENTYNE, J.R., 752
VAN DUSEN, L., 54
VEZINA, R., 307
VICKERS, A., 758
VOLK, T.L., 777
VONTOBEL, R. (ed), 11

W
WADE, C., 561
WAINIO, A., 377
WALKER, C.R., 770
WALLER, R.M., 549
WALMSLEY, A., 50
WALMSLEY, S., 453
WALS, A.E. 750
WALTERS, B., 512
WARD-WHATE, L. (ed), 46
Water Pollution Control Federation, 546 564 565 572 577 587 594 661 740
Water Pollution Control Federation, Public Education Committee, 541
Water Pollution Control Federation, Public Education Program, 602
Waterhen Film Productions, 178
Waterloo Region Catholic School Board, 399
WATSON, L., 773
WEBB, M., 307

WELLER, P., 301 369 371
WESELY, E.F., 547
WICKENS, B., 50 57
WICKS, B.E., 563
WILKE, R.J. (ed), 748 759 761-763
WILSON, R.L., 760
WINETT, R.A., 735
WINKLER, R.C., 735
WINTERS, J. (ed), 778
WINTERS, L., 778
WOOD, J.B., 726
WOODWELL, J.C., 558
Writing Company, 666
WYATT, V., 108 109

Y
YEE, P., 304 310

TITLE INDEX

The 1937 flood, 360
50 simple things you can do to save the earth, 607

A
Aboriginal water issues : background paper : volume 3, 197
About the history of water treatment : Ontario's quest for clean water, 312
About wastewater treatment, 680
Acid deposition education kit, 419
Acid precipitation or what goes up must come down, 479
Acid rain, 96
Acid rain : a national sensitivity assessment, 14
Acid rain : time is running out, 2
Acid rain in Minnesota, 543
The acid rain reader, 681
The acid rain story, 3
Acid rain studies at Plastic and Harp lakes, 313
Acid sensitivity of lakes in Ontario, 297
Adopt a stream, 453
Agricultural practices and environmental conservation, 4
Air quality accord, 15
The Alberta Water Resources Commission : background paper : volume 11, 198
Alberta's water resource : background paper : volume 1, 199
Alternatives to tap water : the move to bottles and filters, 50
Always pure, never runs dry, 619
America's wetlands : our vital link between land and water, 544
Application for water licence : province of British Columbia, 167
Appreciating your Great Lakes : a guide for developing educational projects, 645
Appreciation of the environment, 778
Are you killing your fish?, 168
Are you poisoning your water?, 564
Assessing the health risks : water contains traces of toxins, 368
Atlas of Alberta lakes, 196

B
Back to basics guide to water conservation, 743
Backgrounder on MISA : stopping water pollution at its source, 314
Balancing the global water budget, 393
Baptiste Lake, 209
The battle against acid rain : reason to hope : a dramatic upsurge in public awareness has pushed us close to a turning point in the battle, 369
Before you construct a water well : facts a homeowner should know before hiring a water well contractor, 506
Bibliography : Cooperative Extension System's water quality educational materials, 627
Biomonitoring networks operated by schoolchildren, 164
Bottled spring water : safer and tastier than tap water? Not necessarily, 51
Bringing nature back to the river, 315
The brook and the woodcutter : a forestry fable, 98

C
Canada's water : Canada's future, 16
Canada-British Columbia Floodplain Mapping Program : an essential step for reducing flood damage, 169
Canada-United States : acid rain, 5
Changing learner behavior through environmental education, 777
Charlie Brown's second super book of questions and answers about the earth and space...from plants to planets! : based on the Charles M Schulz characters, 782
A citizen's guide to community water conservation, 608
Class 1, 2 and 3 sewage systems, 316
Clean water - life depends on it!, 17
Clean water : a bargain at any cost, 565
Clean water for today : what is wastewater treatment?, 546
Clean waters : toward a healthy Great Lakes - St. Lawrence ecosystem, 298
Coastal estuaries of Prince Edward Island, 516
Conducting your own abandoned well survey, 759

Connect : UNESCO-UNEP environmental education newsletter, 793
Conservation : questions and answers, 299
Conservation education source books, 398
Conservation pays, 275
Conservation...for generations to come, 317
Conserving water : a practical guide for homes, farms & communities, 227
Controlling Great Lakes pollution, 370
Cottage country : an environmental manual for cottagers, 300
Countdown acid rain : about acidic precipitation and the need for remedial action, 318
Countdown acid rain : acidification - warning signs, 319
Cutting our flood losses, 6

D

Danger in the water, 52
The dark cloud over bottled water, 614
Developing public/private partnerships to promote water conservation, 760
Directory of Great Lakes education material, 388
Discover the 5 : a Great Lakes investigation, 399
Domestic sewage and septic systems on P.E.I., 517
Domestic water treatment for homeowners, 566
Down to earth : managing our natural resources, 390
Drinking water, 320
Drinking water : quality on tap, 606
Drinking water away from home, 18
Drinking water guidelines, 19
Drinking water options : information package, 48
Drinking water treatment plant operation, 321
Drinking, eating and swimming, 371
Dunk-Wilmot Rivers Watershed : water-related activities, 518

E

Easy ways to save water money & energy at home, 547
Eau Canada : a newsletter for Canadian marine educators, 496
Eau reservoir : saying goodbye to well-water worries, 53
Ecofriend : the Great Lakes education kit, 400
Ecology studies of lakes in Alberta, 244
An ecosystem health report, 372
Education in action : a community problem-solving program for schools, 750
Educational poster series, 669
EE2000 : environmental education for a sustainable future, 271
Effective communication with the public on water pollution control issues, 751
Effects of acid rain on Atlantic Canada's inland waters, 492
Elementary science curriculum guide, 1983, 233
Elmo E. Man, environmental detective, 110
EnviroKids celebrate the environment, 256
Environews, 361
Environment matters, 187
The environment needs you, 7
Environment Ontario water programs, 322
Environment source book : a guide to environmental information in Canada, 1
Environment views, 272
Environmental citizenship : focus on toxic chemicals, 82
Environmental education for sustainable development, 795
Environmental impact assessment : background paper : volume 9, 200
Environmental information guide for B.C. : where to get information to help you learn more about the environmental crisis and do something about it, 179
Envo and Enva visit the Earth to check the water, 99
Envo says : here are some interesting facts about water, 424
Estuaries, 525
Eurasian water milfoil in British Columbia, 170
Every drop counts : if we each save a little, we'll all save a lot!, 276
Every drop counts!, 567

F

Field manual for water quality monitoring : an environmental education program for schools, 720
Fighting acid rain, 54
Fill, construction and alteration to waterways regulations : what could that possibly have to do with me?, 323

TITLE INDEX

A fish tale!, 71
Flood control, 324
Flood damage reduction : background paper : volume 10, 201
Flooding in Nova Scotia : an overview : 1759-1986, 510
The flooding of North America, 73
Flooding! It can happen to you, 325
Floodproofing : protect your home against flooding, 504
Foaming of surface waters : a natural phenomenon on Ontario lakes, 326
Focus on acidic deposition, 257
Focus on International Joint Commission activities, 362
Focus on pollution, 258
Focus on water conservation, 259
Focus on water quality, 260
Forty days & forty nights : proof of the power of rising water can be found in the barely submerged ark mentality of people who weathered the 1950s' Hurricane Hazel, 373
A framework for wetland policy in Canada, 159
Fresh water seas : saving the Great Lakes, 301
Freshwater : chapter 21, 788
Freshwater : chapter 8, 789
A friendly river?, 537
Fuel storage tanks, 568

G

Garner Lake, 210
Geography of the Grand River Basin, 327
Give earth a chance! : a newspaper-in-education environmental program for students, 68
Global systems and cycles : chapter 11, 790
Good planets are hard to find! An environmental information guide, dictionary, and action book for kids (and adults), 102
GREAT (groundwater resources and educational activities for teaching), 761
The Great Lakes, 363
The Great Lakes : an environmental atlas and resource book, 427
Great Lakes : information package, 359
The Great Lakes : yesterday, today & tomorrow, 302
Great Lakes Basin, 328
The Great Lakes Basin : a great resource at risk, 364
Great Lakes drinking water : risky refreshment, 374
Great Lakes education kit, 420
The Great Lakes primer, 303
Great Lakes teacher's guide, 421
The Great Lakes United, 365
Great Lakes water diversions : America's water shortage could become Canada's problem if proposed schemes to channel water south turn into reality, 375
Great Lakes water levels, 304
Great Lakes-St. Lawrence River regulation : what it means and how it works, 310
Great minds? Great Lakes! Don't miss the boat with environmental education, 392
The great water connection, 234
Green future : how to make a world of difference, 8
The green scene, 126
Greening at the water's edge, 376
Ground water, 548
Ground water and agricultural chemicals, 41
Ground water and the rural homeowner, 549
Ground water education in America's schools : a catalog of resource materials for elementary and secondary education professionals, 629
Ground water pollution control, 570
Groundwater, 682
Groundwater - nature's hidden treasure, 20
Groundwater : background paper : volume 7, 202
Groundwater : understanding our hidden resource, 571
Groundwater : why you should care, 572
Groundwater in Atlantic Canada, 493
Groundwater in Michigan : a primer, 573
The groundwater pollution primer, 9
Groundwater reference guide : an annotated bibliography of publications related to groundwater protection, 539
The groundwater terrarium : geology on a small scale, 663
A guide to sewage works design, 287
Guide to the aquatic resources of Prince Albert National Park, 279
A guide to waterworks design, 288

A guidebook to drought planning, management and water level changes in the Great Lakes, 609
Gull Lake, 211

H
H2O & you : a series of fact sheets on water quality, 574
H2O and the waters of forgetfulness, 550
The harmony puzzle : environment & economy, 80
Hazardous waste in our homes - and in our water : what you should know, what you can do, 575
Hazardous waste reduction : the bottom line, 740
Health of our oceans : an overview of Canadian marine environmental quality, 21
A healthy lake ecosystem, 439
Healthy water, healthy babies : fact sheet for parents & pregnant women, 576
The HELM : happenings and educational activities around Lake Michigan, 612
Hillsborough River Watershed : water-related activities, 519
A history of water problems, 329
A holistic approach to water ecology, 667
Home & family guide : practical action for the environment, 10
Home water conservation guide : including 20 tips to help you save thousands of gallons of water each year, 551
Hot water answers : how to heat and use it efficiently, 507
Household hazardous waste : what you should & shouldn't do, 577
Household hazardous waste disposal, 623
Household hazardous wastes, 578
Household water conservation and efficient appliances, 22
How much water in a 12-ounce can? A perspective on water-use information, 552
How safe is our water?, 23
How to build a local water resources organization, 727
How to influence environmental policymaking, 726
The hydrologic cycle, 579

I
The impact of recreational boating in Illinois, 563
In our own backyard : toxic chemicals in Atlantic Canada, 489
Information and the environment : the struggle for access : chapter 6, 66
Interacting with the elements : Man and the biogeochemical cycles, 784
Introducing wetlands, 450
Is the water safe to use?, 24
Is there lead in my tap water...and what can I do? A guide for homeowners and renters, 580
Island Lake, 212
It's found underground, 687

J
Jackfish Lake, 213
Jiksituik : listen to my story, 74
Junior high agriculture : land and life : teacher resource manual, 1989, 246
Junior high environmental and outdoor education : teacher resource manual, 247

K
Keepers of the earth : native stories and environmental activities for children, 70
The kids' green plan : how to write your own plan to save the environment, 103

L
Lac La Biche, 214
Lac La Nonne, 215
Lac Ste. Anne, 216
Lake Erie, 330
Lake Huron, 331
Lake Isle, 217
Lake Michigan, 583
Lake Ontario, 332
Lake Superior, 333
Land and water management regulations in the Upper Thames River watershed, 334
Land use and water management on Prince Edward Island, 520
Lead in school drinking water, 626
Let's explore together, 475

Let's find out about water, 781
Let's unpollute, 95
Life in an Ontario wetland, 423
The living flow : water in Alberta, 263
The living waters : Elk Island National Park, 192
Local action brings worldwide results, 104
Low flow, 335

M

The magic school bus at the waterworks, 674
Major rivers : elementary water education program, 640
Make a difference : student activities for a better environment, 105
Man and wildlife in a shared environment, 11
Managing the Great Lakes basin as a home, 752
Managing the waters of the Ottawa River, 336
Marine pump-out stations, 305
The Marshall Cavendish science project book of water, 683
Massachusetts Water Resources Authority : water system, 586
Mercury in fish : consumption guidelines, 292
Mercury in fish in the Assiniboine, Red, Souris and Winnipeg rivers, 293
Mineral waters, 55
Minister's Task Force on Clean Water : interim report : what you told us - a summary of public input, 509
Missouri's aquatic resources education program, 762
Monitoring systems, 337
Montague-Valleyfield Rivers Watershed : water-related activities, 521
Moose Lake, 218
Mother Earth, 127
Municipal drinking water quality objectives, 277
Municipal water rates in Canada : current practices and prices, 25
My earth book, 97

N

Nakamun Lake, 219
Nature's way : how wastewater treatment works for you, 587
The need for a Safe Drinking Water Act, 56
A new approach to an old problem : the Canada Ontario Flood Damage Reduction Program, 338
The new environmental paradigm and further scale analysis, 753
New evidence for acid rain fight, 339
Nitrate contamination, 588
Non-structural management techniques, 340
North Dakota water : a reference guide, 553
Northern Saskatchewan International Children's Festival : environment tent, grades 4-8, 281

O

Objective : cleanup : the 50 industrial plants targeted for priority action, 467
On the Grand, 366
One city's water problem : a community copes with toxins, 505
Our coastal environment, 490
Our fresh water resources, 491
Our tormented rivers, 377

P

P.E.I. groundwater : a prime source of concern, 522
Pacific estuaries : where rivers join the sea, 178
Personal conservation techniques, 341
Perspectives in science, 85
Pesticides in drinking-water wells, 554
Phosphorus, 342
Pictured waters : one of Canada's great canoeing rivers, the Missinaibi overflows with natural and cultural history, 378
Pigeon Lake, 220
Pine Lake, 221
A place for wildlife : a discussion paper prepared for the Alberta Conservation Strategy Project, 270
Play the environmental detective game, 111
Pollutants in British Columbia's marine environment, 165
Pollution : some questions and answers, 306
Pollution patrol, 84
A pollution primer, 12
A practical family kit on saving resources, saving money, and ... saving the environment, 189

Practical information on groundwater development, 166
Prairie water news, 191
Preventing pollution through efficient water use, 555
A primer on water : questions and answers, 42
Prince Edward Island conservation directory : getting involved in conservation, 515
Problems of conservation : water, 621
Project water works, 647
Project WILD : activity guide, 69
Protect your water resources, 526
Protecting our ground water, 589
Public education using computerized water resource management simulation, 763
Public education, a community effort, 764
Public information : how to build a successful public information - community relations program, 745
Public information during a water crisis, 765
Public involvement/intergovernmental co-operation : background paper : volume 4, 203

Q

Quest for pure water, 511

R

Rain : a water resource, 590
Raven returns the water, 93
Reading, writing and the environment : environmental science gives students the chance to explore the environment and their role in it, 422
The Red & Assiniboine and their tributaries...your opportunity to get involved, 294
A renter's guide to water conservation, 591
Report on water education in Canada, 161
Research program outreach into the classroom : an estuarine research reserve initiative, 754
Resource-efficient housing guide : a select annotated bibliography and directory of helpful organizations, 540
The river everyone wants, 379
A river of history : whales are dying from poison, 380
A river under siege, 26
Rivers underground, 343

S

Safety on tap : a citizen's drinking water handbook, 556
Sandy Lake, 222
Saugeen River canoe route, 344
Saugeen shore watch, 345
The Saugeen watershed, 401
Save Wisconsin's water : making every drop count, 592
Saving the world begins at home : a household guide to waste management, 261
Scientific safety nets : how treatment can reduce risks, 57
A sense of water : teaching materials for elementary grades, 638
Separation of substances : a teacher's manual for general level program development, grade 9, 415
Septic system maintenance, 593
Septic tank systems, 346
Sewage treatment processes, 347
Skeleton Lake, 223
Sludge : too valuable to waste, 594
Sludge wars : the fight for clean B.C. water, 177
The social acceptability of water conservation, 766
Social sciences : volume II, 459
Social studies, science : water conservation unit : grades 4-5-6, 236
Solar water heaters : a buyer's guide, 13
Solving the harmony puzzle : you're part, 81
Sources of water pollution, 348
Splash! Activity book, 670
Splashdance, 394
The St. Lawrence : gateway to a continent, settlement (17th-18th centuries), 473
The St. Lawrence River : a living heritage, 385
The St. Lawrence River : its economy and environment, 307
The St. Lawrence River : its uses and its environment, 472
Stopping acid rain, 27
The story of drinking water, 671
The story of drinking water : teacher's guide : primary level, grades 1, 2, 3, 642
The story of drinking water : teacher's guide : intermediate level, grades 4, 5, 6, 648
The story of drinking water : teacher's guide : advanced level, grades 7, 8, 9, 660

TITLE INDEX

Streams and the property owner : understanding the responsibility, 171
Structural management techniques, 349
Student water use, 668
SuperScience : red edition, 643
Surface water and acidification in Atlantic Canada, 494
Surface water on Prince Edward Island, 523
Surface water quality objectives, 290
Sweetwater seas : the legacy of the Great Lakes, 308

T

Take it to the ponds : learning about water outside the classroom, 229
Talk of the Thames, 367
Teacher mini-units : energy awareness for grades 1-8, 296
Teachers enjoy getting WET, 635
Teaching ideas on the environment : a guide to topics for discussion and audio-visual materials readily available in Halifax/Dartmouth to N.S. teachers, 512
Ten steps to protect your drinking water, 624
Threats to the world's water, 785
To know a wetland is to love a wetland, 381
Toxic substances in the Great Lakes Basin ecosystem, 350
Toxics in the St. Lawrence : an invisible, but real threat, 469
Trends in environmental education, 791
The trickle-down effect : a slow and efficient way to water, 58
Turning the tide, 383

U

Understanding your septic system, 595
Understanding your shoreline : protecting rivers, lakes and streams, 596
Update : the environmental education newsletter, 231
The use of schools in the development and promotion of water policy, 160
Use water wisely, 28
Using water wisely, 677
Using water wisely : a personal guide to water conservation, 262

V

Valley, stream and wetland regulations : are you affected?, 351
Visions 2020 : students across Ontario respond positively to the challenges set out by the World Commission on Environment and Development by preparing a vision statement for Ontario in the year 2020, 460
A vital resource : federal policy statement on inland waters, 29

W

Waste is a water problem : what you can do about solid waste, 597
Wastewater treatment, 661
Water, 101 128 132 278 557
Water - here, there and everywhere, 30
Water - nature's magician, 31
Water : a mainstream issue for wildlife, 75
Water : chapter 6, 92
Water : never enough to waste, 172
Water : no time to waste : a consumer's guide to water conservation, 43
Water : our priceless resource, 173
Water : P.E.I.'s most precious resource, 528
Water : the resource that gets used & used & used for everything!, 651
Water and agriculture, 249
Water and energy, 402
Water and landscapes, 238
Water and the economy, 527
Water audit, 32
Water conservation, 33
Water conservation : background paper : volume 6, 204
Water conservation : chapter 7, 735
Water conservation : curriculum in action, 652
Water conservation : money in the bank : a case study of industrial water conservation, 737
Water conservation program and audit tips, 739
Water dowsing, 598
Water efficiency : a resource for utility managers, community planners, and other decisionmakers, 738
Water efficiency for your home : products and advice which save water, energy, and money, 558
Water filters : their effect on water quality, 599

Water fit to drink? Consumer facts about the use of home water treatment devices, 352
Water for the world, 685
Water for Tonoumassé, 79
Water fun for you, 672
Water impacts, 613
Water in Alberta : the living flow, 242
Water in Canadian history : an overview, 131
Water in the urban environment : erosion and sediment, 600
Water in your hands, 646
The water in your life : educational program, 657
Water issues, 230
The water literacy project, 273
Water management projects : background paper : volume 8, 205
Water matters : an educator's newsletter from the Massachusetts Water Resources Authority, 634
Water means life, 770
Water of the world, 772
The water planet : a celebration of the wonder of water, 773
Water pollution goes underground, 60
The water quality catalog : a source book of public information materials, 541
Water quality field guide, 746
Water quality indicators guide : surface waters, 747
Water quality monitoring, 353
The water quality of the South Saugeen River, 403
The water quality of the Teeswater River, 404
Water quality questions : the nature and importance of water quality variables in Alberta, 250
Water resources education : proceedings of the International Seminar on Water Resources Education : Paris and Strasbourg, France, March 24-29, 1975, 792
Water resources planning : background paper : volume 5, 206
Water rights : background paper : volume 2, 207
The water story, 309
Water use as a commons dilemma : the effects of education that focuses on long-term consequences and individual action, 757
Water use trends in the Saskatchewan-Nelson Basin, 190
Water watchers : water conservation curriculum for junior high school science and social studies classes, 662
Water we use, 239
Water well construction : pilot project, 524
Water wellness : you are the key to a healthy BC, 174
Water wells and groundwater supplies : recommended methods for plugging abandoned water wells, 354
Water wells and groundwater supplies : the protection of water quality in bored and dug wells, 355
Water wells in Ontario : important facts about water well construction, 356
Water wisdom, 618
Water wisdom : 24 stand-alone activities on water supply and water conservation for high school students, 666
Water wiz-dom : social studies water conservation unit, grade 9, 251
Water wizards : school program on water conservation for third and fourth grade levels, 639
Water words : a glossary of water-related terms, 678
Water works, 61 284
Water works : saving water saves you money!, 280
Water works!, 34
Water, an endangered ecosystem, 786
Water, water everywhere ... and not a drop to drink, 62
Water, water everywhere : but should I really drink?, 776
Water, water, everywhere...? Protecting the municipal water supply in Nova Scotia, 513
Water-efficient technologies for the urban/residential sector : a part of the water-savers' handbook : 1988 edition, 734
Water-related teaching activities, 631
Water-saving devices, 35
The water-totter, 395
Water-use efficiency standards for plumbing fixtures : benefits of national legislation, 758
Water-wise tips for bathrooms, 36
Water-wise tips for kitchens & laundry, 37
Water-wise tips for lawns & gardens, 38
Watershed : interim report, August 1990, 311
Watershed management : a community commitment, 601
We really care about water and air!, 396

Westchester County's approach to public education and out-reach, 413
Wet : water education for teachers, 632
Wet facts about water, 108
Wetland primer : illustrated guide to the basic wetland types, 384
Wetlands, 123 602
Wetlands are wonderful!, 426
Wetlands coloring book, 673
Wetlands management case study, 282
Wetlands protection : a local government handbook, 559
Wetlands, habitats on the edge of land and water, 474
What Atlantic Canadians can do for their environment : hundreds of things individuals can do now, 495
What do you know about H2O?, 622
What is a watershed? Beatty Saugeen River, 405
What is a watershed? Mill Creek, 406
What is a watershed? North Saugeen River, 407
What is a watershed? Otter Creek, 408
What is a watershed? Penetangore River, 409
What is a watershed? Rocky Saugeen River, 410
What is a watershed? South Saugeen River, 411
What is a watershed? Teeswater River, 412
What is groundwater?, 603
What is water?, 604
What we can do before the well runs dry!, 560
What we can do for our children's environment : a concise guide, 45
What we can do for our environment : hundreds of things to do now, 44
Why learn about water?, 274
Why wetlands?, 442
Wilderness travellers' no trace checklist or how to keep others from knowing you were there!, 186
Wilderness water : a guide to wilderness drinking water, 40
Wizard Lake, 224
Working together for the Great Lakes : remedial action plan, 357
Working together to educate about the environment : 1989 joint conference proceedings : selected papers from the joint conference of the North American Association for Environmental Education and the Conservation Education Association : Estes Park, Colorado, August 18-23, 1989, 748
Workplace guide : practical action for the environment, 46
A world of learning in a pop bottle, 252
Worrying over water, 63

Y

Yes, you can : two small towns show how to save money and water, 742
You and your environment : the energy of our resources : the power of our ideas, 49
You can do it!, 100
You're all wet, 109
Your planet : you are the key to a healthy BC, 175
Your water : chapter II, 65
Your water and your health, 561

Z

Zebra mussels : a need to protect water systems, boats & motors, beaches and fisheries, 295

EDUCATORS
- Canada, 67
- British Columbia, 179
- Ontario, 388 389
- United States, 625 626
- International Material, 777
- **Early Childhood Education**
  - International Material, 778
- **Elementary Secondary Education**
  - Canada, 68 69
  - Alberta, 231 232
  - Ontario, 390 391
  - Atlantic Region, 496
  - United States, 627-635
- **Elementary Education**
  - Canada, 70-72
  - Alberta, 233
  - Manitoba, 296
  - Ontario, 392-395
  - United States, 636-641
  - **Primary Education**
    - Canada, 73
    - Ontario, 396
    - United States, 642 644
  - **Intermediate Grades**
    - Canada, 74-81
    - Alberta, 234-241
    - Saskatchewan, 281
    - Ontario, 397-413
    - United States, 645-652
- **Secondary Education**
  - Canada, 82-86
  - Alberta, 242 243
  - Saskatchewan, 282 283
  - Ontario, 414 415
  - Nova Scotia, 512
  - United States, 653-659
  - **Junior High Schools**
    - Canada, 87-90
    - Alberta, 244-254
    - Ontario, 416-418
    - United States, 660-665
  - **High Schools**
    - Canada, 91 92
    - Ontario, 419-422
    - United States, 666 667
- **Postsecondary Education**
  - United States, 668

GENERAL PUBLIC
- Canada, 1-66
- British Columbia, 165-178
- Yukon Territory, 186 187
- Western and Northern Region, 189-191
  - Alberta, 196-230
  - Saskatchewan, 275-280
  - Manitoba, 291-295
- Ontario, 297-387
- Quebec, 464-474
- Atlantic, 489-495
  - New Brunswick, 504 505
  - Nova Scotia, 506-511
  - Prince Edward Island, 515-528
  - Newfoundland/Labrador, 537
- United States, 538-624
- International Material, 772-776

GROUPS, ASSOCIATIONS ....
- Canada, 142-158
- British Columbia, 184 185
- Yukon Territory, 188
- Western and Northern Region, 193
  - Alberta, 269
  - Saskatchewan, 286
- Ontario, 450 453
- Quebec, 485-488
- Atlantic, 503
  - Prince Edward Island, 530-536
- United States, 710-732

POLICYMAKERS, MANAGERS ....
- Canada, 159-164
- Western and Northern Region, 195 195
  - Alberta, 270-274
  - Saskatchewan, 287-290
- Ontario, 459-463
- Nova Scotia, 513 514
- United States, 733-769

International Material, 788-795

STUDENTS

Early Childhood Education
Preschool Education
International Material, 781
Elementary Secondary Education
Canada, 94
Alberta, 255
Ontario, 423
Atlantic, 497
Elementary Education
Canada, 95 96
Western and Northern Region, 192
United States, 669
Primary Education
Canada, 93 97-99
Alberta, 256
Ontario, 424
United States, 670-677
Intermediate Grades
Canada, 100-111
Alberta, 257-260
Saskatchewan, 284
Ontario, 425 426
Quebec, 475
United States, 678-687
International Material, 782
Secondary Education
Canada, 112-128
British Columbia, 180 181
Alberta, 261-263
Ontario, 427-439
Quebec, 476-482
Atlantic, 498-501
Prince Edward Island, 529
United States, 688-703
International Material, 783 784
Junior High Schools
Canada, 129 130
Alberta, 264-267
Ontario, 440
United States, 704-707
New Zealand, 770
High Schools
Canada, 131 132
Saskatchewan, 285
Ontario, 441 442
United States, 708

BOOKS, BOOKLETS
Canada, 2-13 91 100 112-114
British Columbia, 165 166 180 182
Western and Northern Region, 189 193
Alberta, 197-207 270
Saskatchewan, 287 288
Ontario, 297-309 428-433 444 446
Quebec, 464 476
Atlantic Region, 489-491 498 499
New Brunswick, 504
Nova Scotia, 506-508 513
United States, 543-561 653 679 690-696 713-715 735 736
International Material, 772 773 783 788-791

COLLECTED WORKS
Canada, 48 49
Saskatchewan, 278
Ontario, 359

Conference Proceedings
United States, 748
International Material, 780 792

Serials, Journals
Canada, 127 128
Yukon Territory, 187
Western and Northern Region, 191 195
Alberta, 228 231 269 272
Saskatchewan, 279
Ontario, 360-367 389 451 452 461 462
Atlantic Region, 496
United States, 610-613 633 634 643 749
International Material, 793

CONFERENCE PAPERS, SPEECHES
Ontario, 413 418
United States, 640 649 727 759-767

CREATIVE WORKS (Literature, Cartoons...)
Canada, 71 72 93 98 99 110 111
Western and Northern Region, 192
Saskatchewan, 280
Ontario, 393-395 455-457
United States, 618 641 674-676 686 701 228
International Material, 781

FACT SHEETS, BROCHURES, LEAFLETS
Canada, 14-40 101 115-123 129 134-139 143-150 162
British Columbia, 167-175
Yukon Territory, 186 188
Western and Northern Region, 190 194
Alberta, 209-224
Saskatchewan, 275-277 286 289 290
Manitoba, 291-295
Ontario, 312-358 424-426 434-438 440 441 447-449
Quebec, 466-469 477 478 485 486
Atlantic Region, 492-494 500-502
Nova Scotia, 510
Prince Edward Island, 516-524 531-533
United States, 564-605 680 697-699 704 716-718 740-742

GUIDES
Canada, 41-44 94 124 125 140 141 151-154
Alberta, 225 226 261 262
Atlantic Region, 495 497 503
United States, 606 645 654 655 700 719 720
International Material, 778 779

Classroom Use
Canada, 74 75 92
Saskatchewan, 282
United States, 646
Instructional Material
Canada, 95 97 102-105 126 130 155
Alberta, 256-260 264-267
Quebec, 475 479
United States, 670-673 681-685 705 706 721
New Zealand, 770
International Material, 782
Teaching Guides
Canada, 68-70 76-79 83-84 87 88 156
Alberta, 233-239 242 244-251
Saskatchewan, 281
Manitoba, 296
Ontario, 390 392 396 398-412 415-417 419-421

Nova Scotia, 512
United States, 631 632 636-639 642 647 648 656 657 660-662 666 722 723

Non-Classroom Use
Canada, 45-47 163
Alberta, 227
Ontario, 450
United States, 607-609 626 708 724 725 743-747

INFORMATION ANALYSES, VIEWPOINTS
Canada, 66 67 158
United States, 652 768 769

JOURNAL ARTICLES
Canada, 50-63 73 106-109 132 164
British Columbia, 176 177
Alberta, 229 230 232 252 273 274
Ontario, 368-384 391 422 453 454 463
Quebec, 470
New Brunswick, 505
Nova Scotia, 511
United States, 614-617 635 644 663 667 668 726 750-758
International Material, 774-777 784-787 794 795

NON-PRINT MATERIALS

Audiovisual Material
Canada, 64 65 80 81 85 89 90 157
British Columbia, 178 181 183
Alberta, 240 241 243 253 253
Saskatchewan, 283
Ontario, 385 442
Quebec, 471
Prince Edward Island, 525-527 534-536
Newfoundland/Labrador, 537
United States, 619-622 658 664 687 702 703 707 729-730

Games
Saskatchewan, 284

Maps
Quebec, 472 285

Posters, Charts ....
Canada, 96
Alberta, 263
Ontario, 387 423 439
Quebec, 473 474 481-484 487 488
Prince Edward Island, 528 529
United States, 623 624 651 665 669 677 732

REFERENCE MATERIALS

Atlases
Alberta, 196 255 268
Ontario, 427 443
United States, 688 709

Bibliographies
British Columbia, 179 184
United States, 538 539 627 628 710 733

Dictionaries, Glossaries ....
United States, 678 689

Directories, Catalogues ....
Canada, 1 142
Ontario, 388 445
Prince Edward Island, 515 530
United States, 540-542 625 629 630 711 712 734

REPORTS
Canada, 159 160
Ontario, 397 414 459 460
United States, 737 738

Descriptive Reports
Canada, 131 133
Alberta, 208 271
Ontario, 310 311
Quebec, 465
United States, 562 739

Evaluative Reports
Canada, 161
Nova Scotia, 509 514
United States, 563

227

ADDRESSES

AC

Interlibrary Loans
Calgary Public Library
616 MacLeod Trail S.E.
Calgary, Alberta
T2G 2M2

Tel.: (403) 260-2722

ACUMC

Interlibrary Loans
Education Materials Centre
Library
University of Calgary
2500 University Drive N.W.
Calgary, Alberta
T2N 1N4

Tel.: (403) 220-5967
Fax.: (403) 282-6837

AEEN

Interlibrary Loans
Alberta Environment Library
9820 - 106th Street, 14th Floor
Edmonton, Alberta
T5K 2J6

Tel.: (403) 427-5870

AEU

Interlibrary Loans
Cameron Library (AEU)
University of Alberta
Edmonton, Alberta
T6G 2J8

Tel.: (403) 492-3795
Fax.: (403) 492-4327

BVAS

Interlibrary Loans
Simon Fraser University Library
Simon Fraser University
Burnaby, British Columbia
V5A 1S6

Tel.: (604) 291-3625

NBFU

Interlibrary Loans
Harriet Irving Library
University of New Brunswick
Box 7500
Fredericton, New Brunswick
E3B 5H5

Tel.: (506) 453-4743

NSDE

Interlibrary Loans (NSDE)
C&P - Atlantic Region
Environment Canada
45 Alderney Drive, Queen
Square, 15th Flr.
Dartmouth, Nova Scotia
B2Y 2N6

Tel.: (902) 426-7219
Fax.: (902) 426-2690

NSHL

Interlibrary Loans
Legislative Library of Nova
Scotia
P.O. Box 396, Province House
Hollis Street
Halifax, Nova Scotia
B3J 2P8

Tel.: (902) 424-5932
Fax.: (902) 424-0574

OKQ

Interlibrary Loans
Douglas Library (4-OKQ)
Queen's University
Kingston, Ontario
K7L 5C4

Tel.: (613) 545-2526

ON

Interlibrary Loans
Nepean Public Library,
Central Branch
101 Centrepointe Drive
Nepean, Ontario
K2G 5K7

Tel.: (613) 727-6647 Ext. 491

OOC

Interlibrary Loans (OOC)
Ottawa Public Library
120 Metcalfe Street
Ottawa, Ontario
K1P 5M2

Tel.: (613) 236-3438

OOFF

Interlibrary Loans
Departmental Library (OOFF)
Environment Canada
2nd Floor, Place Vincent Massey
Ottawa, Ontario
K1A 0H3

Tel.: (819) 997-2580

OON

CISTI, Main Library
National Research Council
Interlibrary Loans
Building M-55
Ottawa, Ontario
K1A 0S2

Tel.: (613) 993-1814

OONL

Interlibrary Loans
National Library of Canada
(OONL)
395 Wellington Street
Ottawa, Ontario
K1A 0H4

Tel.: (613) 996-3566

OONMNS

Interlibrary Loans
Library (OONMNS)
Canadian Museum of Nature
P.O. Box 3443, Station D
Ottawa, Ontario
K1P 6P4

Tel.: (613) 998-3923

OOP

Interlibrary Loans
Library of Parliament (214-OOP)
Parliament Buildings
Wellington Street
Ottawa, Ontario
K1A 0A9

Tel.: (613) 995-7508

OTM

Interlibrary Loans
Information Resource Centre
(OTM)
Atmospheric Environment Service
Environment Canada
4950 Dufferin Street
Downsview, Ontario
M3H 5T4

Tel.: (416) 739-4225
Fax.: (516) 739-4212

QMENV

Documentation Centre
Centre St-Laurent
Conservation and Protection
Environment Canada
105 McGill, 4th Floor
Montreal, Quebec
H2Y 2E7

Tel.: (514) 283-2762
Fax.: (514) 283-9451

QMJ

Interlibrary Loans
Jewish Public Library
5151 Côte Ste-Catherine Street
Montreal, Quebec
H3W 1M6

Tel.: (514) 735-6535

QMNF

Interlibrary Loans
Reference Library
National Film Board
3155 Côte de Liesse
Montreal, Quebec
H4N 2N4
Tel.: (514) 283-9045

SS

Interlibrary Loans
Saskatoon Public Library
311 - 23rd Street East
Saskatoon, Saskatchewan
S7K 0J6

SSECW

Interlibrary Loans
Library (SSECW)
Canadian Wildlife Service
Environment Canada
115 Perimeter Road
Saskatoon, Saskatchewan
S7N 0X4

ALBERTA

222 - 1st Street S.E.
P.O. Box 2959, Station M
Calgary, Alberta
T2P 3C3

Tel.: (403) 292-5414

Room 120, Canada Place
9700 Jasper Avenue
Edmonton, Alberta
T5J 4C3

Tel.: (403) 420-3010

BRITISH COLUMBIA

1045 Howe Street, Suite 100
Vancouver, British Columbia
V6Z 2B1

Tel.: (604) 666-0716

1412 Douglas Street
Victoria, British Columbia
V8W 2G1

Tel.: (604) 388-3868

MANITOBA

245 Main Street
Winnipeg, Manitoba
R3C 1A7

Tel.: (204) 983-4131

NEW BRUNSWICK

Terminal Plaza Building
1222 Main Street
Moncton, New Brunswick
E1C 1H6

Tel.: (506) 857-6101

c/o Saint John Regional Library
1 Market Square
Saint John, New Brunswick
E2L 4Z6

Tel.: (506) 648-4996

NEWFOUNDLAND

Building 205, Pleasantville
St. John's, Newfoundland
A1A 1S8

Tel.: (709) 772-5005

NOVA SCOTIA

1572 Barrington Street
Halifax, Nova Scotia
B3J 1Z6

Tel.: (902) 426-6001

University College of Cape Breton
Grace Bay/Sydney Highway
P.O. Box 7770
Sydney, Nova Scotia
B1P 6K7

Tel.: (902) 564-7770

ONTARIO

Mackenzie Building
1 Lombard Street
Toronto, Ontario
M5C 1J6

Tel.: (416) 973-9093/9110

150 Kent Street, Suite 642
Ottawa, Ontario
K1A 0M9

Tel.: (613) 996-4861

Government of Canada Building
120 Clarence Street, Room 277
Kingston, Ontario
K7L 1X0

Tel.: (613) 545-8056

659 King Street East, Suite 207
Kitchener, Ontario
N2G 2M4

Tel.: (519) 743-4661

195 First Avenue West
North Bay, Ontario
P1B 3B8

Tel.: (705) 472-4740

366 Oxford Street East
London, Ontario
N6A 1V7

Tel.: (519) 679-4120

PRINCE EDWARD ISLAND

202 Richmond Street
Charlottetown, Prince Edward
Island
C1A 1J2

Tel.: (902) 368-4641

QUEBEC

Complexe Guy-Favreau
Est Tower, Room 102
200 René-Lévesque Boulevard West
Montreal, Quebec
H2Z 1X4

Tel.: (514) 283-4823

350 St. Joseph Street East
Quebec City, Quebec
G1K 3B2

Tel.: (418) 648-3852

165 Bank Street
Sherbrooke, Quebec
J1H 1G8

Tel.: (819) 822-6019

1225 Place de l'Hôtel de Ville
Trois-Rivières, Quebec
G9A 5L9

Tel.: (819) 342-4630

207 Cathedral Avenue
Rimouski, Quebec
G5L 5J1

Tel.: (418) 722-3086

74 Taschereau Street East
Rouyn-Noranda, Quebec
J9X 3E4

Tel.: (819) 762-6051

530 Jacques Cartier Street East
Chicoutimi, Quebec
G7L 1Z5

Tel.: (418) 543-0711

SASKATCHEWAN

424 - 21st Street East
Saskatoon, Saskatchewan
S7K 0C2

Tel.: (306) 975-4245

If you live outside these cities, call toll-free to reserve films and videos:

Atlantic Canada:	1-800-561-7104
Quebec:	1-800-363-0328
Ontario:	1-800-267-7710
Western & Northern Canada:	1-800-661-9867

OUTSIDE CANADA

UNITED STATES

1251 Avenue of the Americas
16th Floor
New York, New York 10020

Tel.:(212) 586-5131
Telex:00-126242
Fax:(212) 575-2382

EUROPE AND THE MIDDLE EAST

1 Grosvenor Square
London England
W1X 0AB

Tel.:(01) 629-9492 Ext. 480
Telex:CDALDN 2261592
Fax:(44)-1-491-3968

EUROPE AND NORTH AFRICA

15, rue de Berri
75008 Paris
France

Tel.:43.59.18.60
Telex:DOMCAN A,B,C280806
Fax:(33)-1-45.61.91.67

Écocivisme

Documentation sur la sensibilisation à l'eau douce

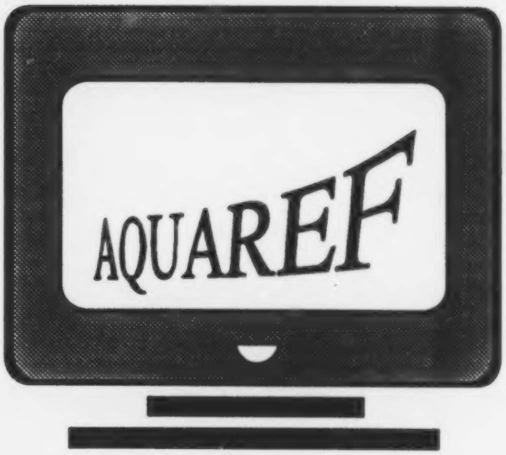
Bibliographie

Environnement Canada
Environment Canada

Canada

233

Les références de cette bibliographie sont disponibles à partir d'AQUAREF. Il s'agit d'une base de données sur les publications canadiennes touchant tous les aspects relatifs aux ressources en eau et aux questions environnementales connexes. La Section des Services d'information de la Direction générale des sciences et de l'évaluation des écosystèmes s'occupe de la production d'AQUAREF. Celle-ci contient plus de 80 000 références et est accessible par le biais du système CAN/OLE de l'Institut canadien de l'information scientifique et technique (ICIST) du Conseil national de recherches Canada.



Service d'information
Environnement Canada
Direction générale des sciences et
de l'évaluation des écosystèmes
Ottawa, Canada, K1A 0H3
(819) 953-1532

Écocivisme

Documentation sur la sensibilisation à l'eau douce

Bibliographie

COLLECTION EAU DOUCE

Publié avec l'autorisation
du Ministre de l'Environnement

Plus de 50% de papier
recyclé dont 10% de fibres
post-consommation.

M - Marque officielle d'Environnement Canada

Le papier sur lequel est imprimé le texte
de ce rapport est conforme aux recommandations
du programme Choix environnemental

© Ministre des Approvisionnements et Services Canada 1993
N° de cat. En37-102/1993F
ISBN 0-662-98364-5

PRÉFACE

Il revient aux nombreux groupes et organismes gouvernementaux et non gouvernementaux de sensibiliser les Canadiens à propos de leurs ressources en eau. Les actions entreprises en ce sens au cours des dernières années ont été variées et sporadiques. Mais on essaie aujourd'hui de s'attaquer au problème de manière plus structurée, en se fixant des objectifs plus précis. Pour mettre au point des programmes et des produits qui sensibilisent les citoyens au problème de l'eau, il est important de définir les outils dont nous disposons actuellement afin d'identifier les lacunes et de prendre les mesures qui s'imposent. Pourquoi gaspiller du temps et de l'argent dans le cadre de projets inutiles? La présente bibliographie devrait permettre une meilleure orientation.

Documentation sur la sensibilisation à 'leau douce - bibliographie constitue un outil éducatif pour les écoles (enseignants, étudiants et bibliothécaires), les organisations environnementales, le gouvernement, les entreprises, le grand public et d'autres personnes qui recherchent une documentation de nature générale, non technique et non scientifique. Elle contient plus de 450 références à des documents (400 en anglais, 50 en français), incluant des livres, du matériel audiovisuel et des documents sur divers programmes. Des enquêtes ont été réalisées auprès d'importants services gouvernementaux et organisations environnementales, et la documentation recueillie a été intégrée à la bibliographie. La priorité a été accordée aux documents d'origine canadienne. Mais compte tenu de la longue expérience des États-Unis en matière de sensibilisation aux problèmes de l'eau, des programmes et produits d'origine américaine ont également été répertoriés.

Comme l'indique la couverture intérieure, cette bibliographie est également accessible en direct. Elle fait partie d'AQUAREF, base de données informatisée d'Environnement Canada accessible par CAN/OLE. La version informatique et la version imprimée décrites ici ne représentent qu'une partie des documents disponibles et seront mises à jour en fonction des besoins.

La présente publication devrait venir en aide aux particuliers et aux groupes qui prônent une meilleure connaissance des problèmes liés à la ressource vitale que représente l'eau pour le Canada et qui militent en faveur d'actions responsables.

TABLE DES MATIÈRES

PRÉFACE i

TABLE DES MATIÈRES iii

INTRODUCTION vii

COMMENT UTILISER CETTE BIBLIOGRAPHIE ix

RENSEIGNEMENTS COMPLÉMENTAIRES xv

A. CANADA 1

1. GRAND PUBLIC 1

- Livres, livrets 1
- Feuillets d'information, brochures, dépliants 2
- Guides 6
- Articles de revues 7

2. ENSEIGNANTS 8

- **Éducation secondaire débutants** 8
  - Guides pédagogiques 8
- **Éducation élémentaire** 8
  - Travaux créatifs (littérature, dessins humoristiques ...) 8
- **Niveaux intermédiaires** 8
  - Guides utilisés en classe 8
  - Guides pédagogiques 9
- **Écoles secondaires** 9
  - Livres, livrets 9

3. ÉTUDIANTS 10

- **Éducation préscolaire** 10
  - Travaux créatifs (littérature, dessins humoristiques ...) 10
- **Éducation secondaire débutants** 10
  - Guides 10
- **Éducation élémentaire** 10
  - Affiches, tableaux 10
- **Éducation primaire** 10
  - Travaux créatifs (littérature, dessins humoristiques ...) 10
- **Enseignement secondaire** 10
  - Livres, livrets 10
  - Feuillets d'information, brochures, dépliants 11
  - Guides 11
  - Matériel didactique 11
  - Périodiques, revues 12
- **Écoles secondaires** 12
  - Articles de revue 12
- **Enseignement postsecondaire** 12
  - Feuillets d'information, brochures, dépliants 12
  - Guides 12

4. GROUPES, ASSOCIATIONS 14

- Feuillets d'information, brochures, dépliants 14

TABLE DES MATIÈRES

Guides 14
Guides pédagogiques 14

5. RESPONSABLES DES PRISES DE DÉCISION 15

Feuillets d'information, brochures, dépliants 15

B. RÉGION DU PACIFIQUE ET DU YUKON 16

1. GRAND PUBLIC 16

Livres, livrets 16
Matériel audiovisuel 16

B1. COLOMBIE-BRITANNIQUE 17

2. ÉTUDIANTS 17

Enseignement secondaire 17
Livres, livrets 17
Matériel audiovisuel 17
Enseignement postsecondaire 17
Livres, livrets 17
Matériel audiovisuel 17

3. GROUPES, ASSOCIATIONS 18

Matériel audiovisuel 18

C. RÉGION DE L'OUEST ET DU NORD 19

1. ÉTUDIANTS 19

Éducation élémentaire 19
Travaux créatifs (littérature, dessins humoristiques ...) 19

D. ONTARIO 20

1. GRAND PUBLIC 20

Livres, livrets 20
Rapports descriptifs 20
Feuillets d'information, brochures, dépliants 21

2. ENSEIGNANTS 25

Niveaux intermédiaires 25
Guides pédagogiques 25
Écoles secondaires, premières années 25
Guides pédagogiques 25

3. ÉTUDIANTS 26

Éducation primaire 26
Feuillets d'information, brochures, dépliants 26
Niveaux intermédiaires 26
Feuillets d'information, brochures, dépliants 26

Enseignement secondaire 26
  Livres, livrets 26
  Feuillets d'information, brochures, dépliants 26

E. QUÉBEC 27

1. GRAND PUBLIC 27

  Rapports descriptifs 27
  Feuillets d'information, brochures, dépliants 27
  Cartes 27

2. ENSEIGNANTS 29

  Répertoires, catalogues 29

3. ÉTUDIANTS 30

Enseignement secondaire 30
  Feuillets d'information, brochures, dépliants 30
  Cartes 30

4. GROUPES, ASSOCIATIONS 31

  Répertoires, catalogues 31
  Feuillets d'information, brochures, dépliants 31

F. RÉGION DE L'ATLANTIQUE 32

1. GRAND PUBLIC 32

  Livres, livrets 32
  Feuillets d'information, brochures, dépliants 32
  Guides 32

2. ÉTUDIANTS 33

Éducation secondaire débutants 33
  Guides 33
Enseignement secondaire 33
  Feuillets d'information, brochures, dépliants 33
Éducation postsecondaire 33
  Feuillets d'information, brochures, dépliants 33

3. GROUPES, ASSOCIATIONS 34

  Guides 34

F1. NOUVEAU-BRUNSWICK 35

1. GRAND PUBLIC 35

  Livres, livrets 35

F2. ÎLE-DU-PRINCE-ÉDOUARD 36

1. GRAND PUBLIC 36

Affiches, tableaux . . . 36

2. ÉTUDIANTS . . . 37

Enseignement secondaire . . . 37
Affiches, tableaux . . . 37

G. ÉTATS-UNIS . . . 38

1. GRAND PUBLIC . . . 38

Rapports descriptifs . . . 38

2. ÉTUDIANTS . . . 39

Éducation primaire . . . 39
Matériel didactique . . . 39
Niveaux intermédiaires . . . 39
Matériel didactique . . . 39
Écoles secondaires, premières années . . . 39
Matériel didactique . . . 39

3. GROUPES, ASSOCIATIONS 40

Matériel didactique . . . 40

AUTRES PAYS . . . 41

H. TOGO . . . 41

1. ENSEIGNANTS . . . 41

Niveaux intermédiaires . . . 41
Guides pédagogiques . . . 41

I. INTERNATIONAL/MULTINATIONAL . . . 42

1. ÉTUDIANTS . . . 42

Éducation primaire . . . 42
Travaux créatifs (littérature, dessins humoristiques ..) . . . 42

INDEX

INDEX DES MOTS-CLÉS . . . 43
INDEX DES AUTEURS . . . 48
INDEX DES TITRES . . . 50
INDEX DES PUBLICS CIBLES . . . 52
INDEX DES TYPES DE DOCUMENTS . . . 53

ADRESSES

ADRESSES DES BIBLIOTHÈQUES . . . 54
CINÉMATHÈQUE DE L'ONF . . . 55

En 1986, la Commission mondiale de l'environnement et du développement a demandé aux nations de la planète d'assurer un développement durable, c'est-à-dire de répondre aux besoins des générations actuelles sans compromettre la faculté des générations futures de satisfaire les leurs. En 1992, la Conférence des Nations Unies sur l'environnement et le développement a intégré le développement durable dans un plan d'action à l'échelle de la planète.

En 1990, le gouvernement du Canada a proposé son propre plan d'action : le Plan vert. Ce plan cherche à garantir un environnement sûr et sain, doublé d'une économie prospère. Le Plan vert définit la stratégie nationale du Canada en matière de développement durable.

Pour atteindre les objectifs fixés par le Plan vert, la seule intervention gouvernementale ne sera pas suffisante. La participation et l'engagement des citoyens canadiens est essentielle. Ces derniers doivent faire preuve d'écocivisme. Nombreux sont ceux qui sont déjà actifs; il faudrait que les autres citoyens prennent exemple sur eux. L'Initiative de l'écocivisme doit guider les Canadiens dans cette voie.

Les citoyens canadiens jouissent de certains droits et responsabilités. Dans l'esprit de l'écocivisme, ils sont précisément responsables de la protection de leur environnement. Un citoyen qui fait preuve d'écocivisme est une personne qui a décidé d'assumer une telle responsabilité et s'engage à agir en conséquence.

L'écocivisme prône les interventions volontaires de tous les secteurs de la société, en complément à la réglementation et aux incitatifs économiques mis en place par le gouvernement. Il s'adresse à tous les Canadiens; les particuliers, les collectivités et les organisations ont tous un rôle à jouer.

La sensibilisation est la clé de l'écocivisme. Non seulement les citoyens doivent avoir conscience des problèmes et s'en préoccuper, mais ils doivent aussi les comprendre pour pouvoir faire preuve d'écocivisme. C'est pourquoi l'Initiative de l'écocivisme prévoit des campagnes de sensibilisation sur des sujets particuliers destinées à permettre aux Canadiens de mieux connaître leur environnement.

La ***Documentation sur la sensibilisation à l'eau douce - bibliographie*** permettra aux Canadiens d'en savoir plus sur un problème environnemental important : l'eau douce. Elle s'adresse aux particuliers, aux enseignants, aux collectivités et aux organisations qui souhaitent mieux connaître leur environnement.

Elle sera régulièrement révisée et mise à jour. Vos suggestions à cet égard sont d'ailleurs les bienvenues.

PORTÉE ET STRUCTURE

La présente bibliographie contient des références à diverses catégories de documents, qu'il s'agisse de livres, de feuillets d'information ou de brochures, de guides pédagogiques et de documents non imprimés comme les vidéocassettes. La priorité a été accordée aux produits canadiens, mais étant donné la qualité et le nombre des documents produits par les autres pays (en particulier les États-Unis), certains d'entre eux ont également été répertoriés. Ces ressources sont destinées à cinq groupes cibles principaux et peuvent être de nature générale ou répondre de façon particulière aux besoins d'une région.

Chaque document est indexé par zone géographique, par public cible et par catégorie, et comporte au besoin un renvoi. Par exemple, un guide destiné aux animateurs de groupes de jeunes Canadiens peut être utile aux professeurs. La référence de ce guide apparaîtra donc dans les deux sections pertinentes de la bibliographie.

Il faut également savoir que les documents sont décrits le plus précisément possible. Ainsi, un document auquel on attribue une zone géographique, une catégorie et un public cible restreints ne figurera pas à un niveau plus général. Pour faire une recherche complète au niveau global, il vaut donc mieux consulter aussi les références plus spécifiques. Par exemple, pour retracer tous les documents portant sur les régions de l'Ouest et du Nord du Canada, vous devriez également passer en revue les documents se rapportant aux provinces pertinentes (c'est-à-dire l'Alberta, la Saskatchewan et le Manitoba), en plus de ceux qui sont répertoriés sous la rubrique Territoires du Nord-Ouest. De la même façon, il faudrait prendre en compte les rubriques Écoles secondaires, premières années, Écoles secondaires et Écoles secondaires professionnelles pour qu'une recherche sur «l'enseignement secondaire» soit complète.

Zone géographique

Les documents répertoriés dans la bibliographie sont tout d'abord divisés en fonction de la zone géographique sur laquelle ils portent. Ceux qui ne sont propres à aucun pays, région ou zone figurent à la section INTERNATIONAL/MULTINATIONAL. Les documents propres à une région ou à une province figurent à la section appropriée, mais sont également susceptibles d'intéresser les personnes qui mettent au point, dans d'autres régions, le même genre de programmes et de documents de sensibilisation.

Public cible

La désignation géographique inclut une mention du principal public cible. Voici les cinq catégories de public cible.

GRAND PUBLIC - Les documents de cette catégorie sont d'intérêt général. Ils ne sont pas techniques et sont rédigés à l'intention de lecteurs ne connaissant pas du tout le domaine de la protection de l'eau.

COMMENT UTILISER CETTE BIBLIOGRAPHIE

ENSEIGNANTS - Les documents figurant dans cette section s'adressent à la fois aux enseignants, au sens propre du terme (professeurs, conseillers en orientation, administrateurs d'établissements d'enseignement, etc.) et aux «éducateurs» (responsables des groupes de jeunes, animateurs, etc.). On trouve notamment dans cette section des documents qui donnent une interprétation du matériel de cours ou des directives à l'intention des éducateurs.

ÉTUDIANTS - Cette catégorie comprend les documents qui s'adressent directement à l'étudiant, et n'incluent donc aucune instruction destinée à des intermédiaires.

Les catégories ÉTUDIANTS et ENSEIGNANTS sont subdivisées de manière à faire une distinction entre les différents niveaux d'enseignement concernés. Ces *niveaux d'enseignement* sont établis grâce aux «Codes descriptifs obligatoires des niveaux d'enseignement» attribués par l'Educational Resources Information Center (ERIC) à tous les documents qu'il indexe. Les niveaux d'enseignement sont accompagnés d'une note descriptive comme dans le tableau suivant :

NIVEAUX D'ENSEIGNEMENT

•ÉDUCATION PREMIÈRE ENFANCE

Note descriptive : activités et expériences destinées à favoriser le développement des enfants de leur plus jeune âge jusqu'aux premiers niveaux de l'école élémentaire (de la maternelle à la 3e année).

••ÉDUCATION PRÉSCOLAIRE

Note descriptive : activités et expériences destinées à favoriser le développement des enfants de leur plus jeune âge à leur entrée à la maternelle (ou en 1ère année s'ils ne vont pas à la maternelle).

•ÉDUCATION SECONDAIRE DÉBUTANTS

Note descriptive : éducation traditionnelle offerte à la maternelle ou de la 1ère à la 12e année.

••ÉDUCATION ÉLÉMENTAIRE

Note descriptive : éducation offerte à la maternelle ou de la 1ère à la 6e, 7e ou 8e année.

•••ÉDUCATION DES ADULTES

Note descriptive : éducation offerte aux adultes au niveau élémentaire, jusqu'à la 8e année.

•••ÉDUCATION PRIMAIRE

Note descriptive : éducation offerte à la maternelle jusqu'à la 3e année.

•••NIVEAUX INTERMÉDIAIRES

Note descriptive : inclut les niveaux intermédiaire et supérieur de l'école élémentaire, mais généralement la 4e, la 5e et la 6e.

••ENSEIGNEMENT SECONDAIRE

Note descriptive : éducation offerte la 7e et la 8e année, ou de la 9e à la 12e année.

•••ÉCOLES SECONDAIRES, PREMIÈRES ANNÉES

Note descriptive : éducation traditionnelle offerte en 7e, 8e et 9e année (moins couramment 7e et 8e ou 8e et 9e année).

•••ÉCOLES SECONDAIRES

Note descriptive : éducation offerte la 9e année, ou de la 10e à la 12e année.

•••ÉCOLES SECONDAIRES PROFESSIONNELLES

Note descriptive : éducation aux adultes portant sur la préparation et la participation à des examens sanctionnés par un certificat d'équivalence d'études secondaires.

•ENSEIGNEMENT POSTSECONDAIRE

Note descriptive : tout enseignement dispensé après le niveau secondaire; cela inclut l'apprentissage et l'expérience acquise après l'âge de la scolarité obligatoire, mais pas la formation de base des adultes et les programmes d'équivalence d'études secondaires.

••COLLÈGES

Note descriptive : établissements publics ou privés d'enseignement postsecondaire qui offrent au moins 2, mais au plus 4 années de formation professionnelle ou pré-universitaire.

••UNIVERSITÉS

Note descriptive : tout enseignement dispensé après le niveau secondaire et sanctionné par un diplôme reconnu.

GROUPES, ASSOCIATIONS - Cette section contient les documents qui peuvent être utiles à diverses organisations, dont les groupes de jeunes, les associations communautaires et les groupes d'environnementalistes.

RESPONSABLES DE LA PRISE DE DÉCISIONS, GESTIONNAIRES - Les documents figurant dans cette section sont destinés au secteur de la gestion. Ils comprennent des renseignements complémentaires qui permettent aux décideurs d'être mieux informés ainsi que des manuels de formation.

Catégories de documents

Pour chaque public cible, les documents sont répartis selon leur «nature». Le tableau ci-dessous décrit toutes les catégories de documents ainsi que leurs différentes subdivisions.

TYPES DE DOCUMENTS

*Références
    **Bibliographies
    **Répertoires, catalogues
    **Atlas
    **Dictionnaires, glossaires
*Livres, livrets
*Rapports
    **Rapports descriptifs
    **Rapports d'évaluation
    **Rapports techniques/de recherche
*Feuillets d'information, brochures, dépliants
*Guides
    **Guides utilisés en classe
        ***Matériel didactique
        ***Guides pédagogiques
    **Guides utilisés ailleurs qu'en classe
*Travaux collectifs
    **Comptes rendus de conférence
    **Périodiques, revues

*Articles de revue
*Articles de conférence, présentations orales
*Travaux créatifs (littérature, dessins humoristiques...)
*Documents non imprimés
    **Matériel audiovisuel
    **Cartes
    **Programmes informatiques
    **Affiches, tableaux
    **Jeux
*Dissertations, thèses
*Matériel historique
*Analyses d'information, points de vue
*Matériel législatif, règlements
*Données statistiques
*Essais, instruments d'évaluation
*Matériel divers autre

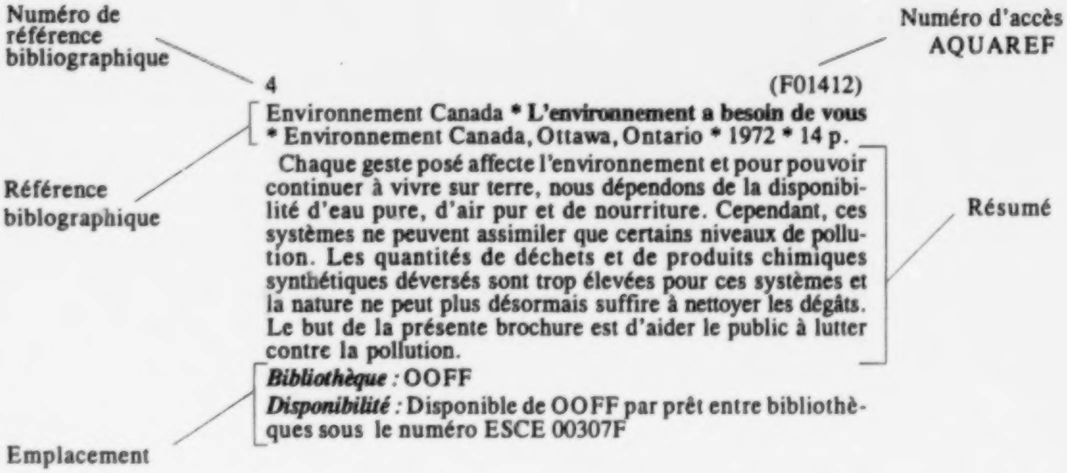
Une fois que vous avez localisé dans la bibliographie le document correspondant au public cible et à la zone géographique désirés, vous le retrouverez en utilisant l'ordre alphabétique.

Nota : si vous souhaitez consulter des documents en français, reportez-vous aux sections appropriées de la bibliographie.

COMMENT UTILISER CETTE BIBLIOGRAPHIE

CONTENU DE CHAQUE ENTRÉE

Chaque entrée de la bibliographie contient les données suivantes :



4 (F01412)

Environnement Canada * **L'environnement a besoin de vous** * Environnement Canada, Ottawa, Ontario * 1972 * 14 p.

Chaque geste posé affecte l'environnement et pour pouvoir continuer à vivre sur terre, nous dépendons de la disponibilité d'eau pure, d'air pur et de nourriture. Cependant, ces systèmes ne peuvent assimiler que certains niveaux de pollution. Les quantités de déchets et de produits chimiques synthétiques déversés sont trop élevées pour ces systèmes et la nature ne peut plus désormais suffire à nettoyer les dégâts. Le but de la présente brochure est d'aider le public à lutter contre la pollution.

Bibliothèque : OOFF

Disponibilité : Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00307F

Numéro de référence bibliographique : À chaque titre correspond un numéro unique qui permet de retracer facilement le document à partir des index d'entrées et renvoie à d'autres références.

Numéro d'accès AQUAREF : Chaque titre de la bibliographie est accessible en direct. Pour de plus amples renseignements, reportez-vous au verso de la page couverture de la présente publication.

Référence bibliographique : Cette référence dépend de la nature du document (livre, article de revue, vidéocassette, etc.), mais contient généralement les renseignements suivants :

- le nom de l'auteur (personne physique ou morale);
- le titre;
- des renseignements sur le document dont est tiré l'entrée (nom de la revue, titre du dossier, etc.), s'il y a lieu;
- l'éditeur et le lieu de publication;

- la date de publication;
- les détails du collationnement.

Résumé : Chaque document est fourni d'un résumé indicatif. Il contient une description du contenu, du domaine et de la portée du document en question et, lorsque c'est possible, une indication des publics cibles et des domaines de connaissance touchés par ce document.

Emplacement : Il existe deux types de renseignements relativement à l'emplacement de chaque document, afin qu'il soit facile à localiser.

1) ***Emplacement de la bibliothèque*** **:** Si nous avons pu localiser une bibliothèque qui dit posséder le document recherché, un symbole correspondant à cette bibliothèque figure à côté du titre. Il peut y avoir jusqu'à trois symboles de ce type par document; le nom et l'adresse de chaque institution est fourni à la fin de la bibliographie. À l'aide de ces données, votre bibliothèque locale peut emprunter le document à votre place grâce à un prêt interbibliothèques.

Ces symboles représentent un outil très utile de partage des ressources. Ils sont attribués par la Bibliothèque nationale du Canada et constituent des normes de désignation des bibliothèques, centres de renseignements, archives, collections et divers services de renseignements du pays.

Toutefois, la présence d'un symbole à côté d'un titre indique simplement que l'institution identifiée par le symbole en question possède le document. Cela ne signifie aucunement qu'elle acceptera le principe du prêt interbibliothèques. De plus, il faut savoir que dans certaines institutions, il faut payer pour emprunter des documents.

2) ***Disponibilité*** **:** Nombre des documents répertoriés dans cette bibliographie font partie d'une collection spéciale disponible auprès de la Bibliothèque ministérielle d'Environnement Canada (OOFF), grâce aux prêts interbibliothèques. La section «SBC» (page 54) explique comment communiquer avec cette bibliothèque. N'oubliez pas de mentionner le bon numéro ESCE lorsque vous demandez un document.

Il est également possible d'obtenir un exemplaire du document désiré. Dans pareil cas, il est fait mention de la façon de commander le document et de son prix éventuel. Si une publication est vendue, il est préférable de communiquer avec l'organisation ou la maison de publication *avant* d'envoyer le paiement, afin de vérifier le prix courant de l'article et la politique adoptée en matière de bons de commande ou de facturation.

Notes complémentaires sur la disponibilité

L'Office national du film du Canada (ONF) gère un réseau national de bibliothèques audiovisuelles, offrant des services de location de films et de vidéos.

Étant donné qu'il faut recourir à ces bibliothèques pour obtenir la plupart des vidéocassettes décrites dans la bibliographie, vous en trouverez la liste en annexe (voir page 55).

De plus : L'emplacement indiqué dans la bibliographie n'est peut-être pas le seul moyen de localiser le document. Il se peut que de nombreux documents soient disponibles auprès de votre bibliothèque locale, d'une librairie ou d'un centre de la nature.

COMMENT LOCALISER LE DOCUMENT RECHERCHÉ

La bibliographie vous permet non seulement de rechercher un document selon la langue (anglais ou français), la zone géographique, le public cible et la catégorie, mais elle comprend également des index qui facilitent cette recherche. Voici les index.

INDEX DES MOTS-CLÉS - Pour trouver un document portant sur un domaine ou un centre d'intérêt particulier, consultez la liste alphabétique de mots-clés. Chaque mot-clé renvoie aux numéros de référence bibliographiques pertinents.

INDEX DES AUTEURS - Si vous recherchez un document rédigé par une personne ou un organisme en particulier, consultez l'index alphabétique des noms. Les noms des auteurs renvoient aux numéros de référence bibliographiques pertinents.

INDEX DES TITRES - Si vous connaissez le titre du document que vous cherchez, reportez-vous à la liste alphabétique des titres. Chaque titre renvoie au numéro de référence bibliographique pertinent.

INDEX DES PUBLICS CIBLES - Si vous cherchez un document correspondant à un niveau d'enseignement ou à un public particulier, consultez l'index des publics cibles. Chaque groupe est subdivisé par zone géographique et renvoie aux numéros de référence bibliographiques pertinents.

INDEX DES TYPES DE DOCUMENTS - Si vous recherchez un type particulier de document (vidéocassettes, guides pédagogiques, etc.), consultez cet index. Chaque type de document est subdivisé par zone géographique et renvoie aux numéros de référence bibliographiques pertinents.

Nota : Lorsque vous consulterez les index des types de documents et des publics cibles, vous devrez peut-être vous reporter à d'autres documents ou remonter à la référence principale.

REMERCIEMENTS

Nous tenons à remercier toutes les personnes et organisations ayant répondu à nos demandes de renseignements dans le cadre de la sensibilisation aux ressources en eau et qui nous ont soumis des documents pour fins d'indexation. Il se peut que nous ayons reçu vos documents pendant que nous préparions la bibliographie. Soyez assurés que si ces documents sont pertinents, ils seront intégrés à la base de données informatisée, puis à une édition ultérieure de la version imprimée.

RESPONSABILITÉ

Environnement Canada n'assume aucune responsabilité quant au contenu de ce document ou à la valeur pédagogique des documents intégrés à la bibliographie. Le ministère se contente de déterminer les utilisations possibles et la façon de se procurer les documents.

Toutes les données étaient à jour au moment où elles nous ont été fournies. Des changements ont pu survenir depuis.

COMMENT COMMUNIQUER AVEC NOUS

Les commentaires et suggestions des utilisateurs de cette bibliographie sont les bienvenus. Indiquez-nous ce que nous avons oublié ou les erreurs que nous avons commises, mais également si cette publication vous a été utile.

Si vous découvrez une source d'information que nous aurions négligée, avisez-nous en par écrit. Nous ferons de notre mieux pour l'ajouter et mettre ainsi régulièrement à jour les données contenues dans la bibliographie.

Voici notre adresse.

Documentation sur la sensibilisation à l'eau douce - bibliographie
Programme d'écocivisme et de sensibilisation aux ressources en eau
Direction de la conservation et de l'économie
Environnement Canada
Ottawa (Ontario)
K1A 0H3
Téléphone : (819) 953-9427
Télécopieur : (819) 994-0237

CANADA

Livres, livrets

1 (F16220)
Environnement Canada * **L'ABC... de la pollution** * Environnement Canada , Ottawa, Ont * 1972 * 39p

Ce document donne une description générale des différentes formes et sources de pollution. On y montre les responsabilités des gouvernements provinciaux et fédéral au niveau de la lutte contre la pollution. On examine la pollution de l'eau, de l'air, par le bruit et par l'élimination des déchets solides. On y explique ce qu'est la pollution de l'eau et quelles en sont les répercussions. Il semble que le traitement des eaux usées avant leur déversement dans les cours d'eau soit un moyen efficace pour lutter contre la pollution de l'eau.

Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00305F

2 (F16217)
SWITZER-HOWSE, K.D. ; COOTE, D.R. * **Agriculture et conservation de l'environnement** * Direction générale des communications, Agriculture Canada , Ottawa, Ont * 1984, impr 1991 * 30p

Dans cette publication, on conseille aux agriculteurs de prendre leurs précautions pour empêcher que l'environnement ne se détériore sous l'effet de leurs activités. On y montre dans quelle mesure de mauvaises pratiques agricoles peuvent polluer l'eau et l'air, et dégrader les sols. On pourrait éliminer de nombreux problèmes en utilisant des techniques adéquates pour gérer les terres et conserver la qualité de l'eau et des sols. Les principaux problèmes, tels l'érosion des sols, le ruissellement et le transport de sédiments ne peuvent être résolus qu'en adoptant des pratiques agricoles qui augmenteront les coûts de production.

Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00306F; Également disponible de la Direction générale des communications, Agriculture Canada, Ottawa (Ont) K1A 0C7

3 (F16096)
Marbek Resource Consultants Ltd ***Le chauffe-eau solaire : guide de l'acheteur*** * Énergie, Mines et Ressources Canada , Ottawa, Ont * 1986 * 16p

Ce guide fournit une information de base sur les chauffe-eau solaires afin d'aider les acheteurs à choisir le modèle qui leur convient. On y explique le fonctionnement des chauffe-eau solaires, comment épargner l'eau ainsi chauffée, quel type d'équipement acheter et comment s'adresser à un distributeur. Enfin, on donne des conseils sur la façon d'installer et d'entretenir ce type de chauffe-eau.

Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00183F: Également disponible gratuitement de la Direction des énergies renouvelables, Énergie, Mines et Ressources Canada, 580 rue Booth, Ottawa (Ont) K1A 0E4

4 (F01412)
Environnement Canada ***L'environnement a besoin de vous*** * Environnement Canada , Ottawa, Ont * 1972 * 14p

Chaque geste posé affecte l'environnement et pour pouvoir continuer à vivre sur terre, nous dépendons de la disponibilité d'eau pure, d'air pur et de nourriture. Cependant, ces systèmes ne peuvent assimiler que certains niveaux de pollution. Les quantités de déchets et de produits chimiques synthétiques déversés sont trop élevées pour ces systèmes et la nature ne peut plus désormais suffire à nettoyer les dégâts. Le but de la présente brochure est d'aider le public à lutter contre la pollution.

Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00307F

5 (F16015)
Fondation Harmonie du Canada ***Guide pour la famille et la maison : la protection de l'environnement au quotidien*** * Fondation Harmonie du Canada , Ottawa, Ont * 1989 * 80p

Ce guide présente une information claire et précise sur la façon d'aborder les problèmes environnementaux sur une base quotidienne. On met l'accent sur le fait que le public doit jouer un rôle significatif dans la protection de l'environnement car toutes les activités favorables à l'environnement s'accumulent pour donner un impact positif. On y traite de problèmes environnementaux comme la conservation de l'énergie, l'élimination de déchets dangereux, la réduction des déchets, ainsi que la conservation et la qualité de l'eau. On y discute des buts que les ménages et les individus devraient poursuivre. Des conseils pratiques sont énumérés pour les quatre problèmes mentionnés, afin de protéger l'environnement dans chacune des pièces d'une maison. En fin de document, on trouve une liste de sources et de contacts ainsi que des lectures suggérées.

Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00301F; Vendu par La Fondation Harmonie du Canada, CP 80001,

Succ Preston, 438 rue Preston, Ottawa (Ont) K1S 5N6

6 (F15024)
Environnement Canada ***L'odyssée des pluies acides** * Environnement Canada , Ottawa, Ont * 1984 * 16p

Dans ce rapport, on passe en revue l'origine des pluies acides, ses effets sur le milieu naturel et humain, et les solutions envisagées. Les dépôts acides se trouvent dans les grandes zones industrielles qui produisent des émissions d'anhydride sulfureux et d'oxyde d'azote, ainsi que dans les régions situées sous le vent de ces zones. Les effets des pluies acides se manifestent essentiellement au niveau des eaux de surface et des poissons. Le pH des lacs baisse (acidification), et de nombreuses espèces de poissons ne peuvent alors plus se reproduire. L'acidification est surtout active au printemps, lorsque la fonte de la neige libère de fortes quantités de polluants. De plus, les précipitations acides lessivent les métaux contenus dans les sédiments; ces métaux se concentrent dans les cours d'eau et les lacs, rendant le milieu toxique. Au niveau des forêts, les précipitations acides augmentent la vulnérabilité des arbres aux maladies, et altèrent les cycles de croissance et de dégradation. Les milieux humains sont également atteints par les pluies acides, puisque celles-ci dégradent bâtiments, statues et monuments. Les solutions envisagées sont la reconversion vers des sources d'énergie non polluantes et la diminution des taux d'émission de SO2 et NOx en fonction des législations nationales et internationales.
Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00015F

7 (F13744)
Environnement Canada, Direction générale des eaux intérieures, Programme national de réduction des dommages causés par les inondations ***Pour une réduction des pertes dues aux inondations** * Programme national de réduction des dommages causés par les inondations, Direction générale des eaux intérieures, Environnement Canada , Ottawa, Ont * 1978 * 18p

Ce document montre l'importance des dommages causés par les inondations au Canada et met en évidence l'importance du Programme national de réduction des dommages. Celui-ci repose sur des accords signés entre chacune des provinces et le gouvernement fédéral. Le concept de cartes des zones inondables, qui constituent la clé du programme, est clairement expliqué. Le dépliant montre également que les inondations sont des phénomènes naturels dont il faut tenir compte. En fin de document, une série de questions-réponses vise à éclaircir les points principaux du programme de réduction des dommages.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00127F; Également disponible gratuitement du Programme national de réduction des dommages causés par les inondations, Direction générale des eaux intérieures, Environnement Canada, Ottawa (Ont) K1A 0H3

Feuillets d'information, brochures, dépliants

8 (F16199)
Environnement Canada ***Accord sur la qualité de l'air** = Air quality accord * Environnement Canada, Ottawa, Ont * 1991 , 1 trousse (3 articles) : 1 livret; 2 brochures

Cette trousse d'information, destinée au grand public, contient le texte de l'accord signé par les gouvernements du Canada et des États-Unis, le 13 mars 1991, pour contrôler la pollution atmosphérique transfrontalière. On y trouve également deux dépliants sur les pluies acides, l'un présentant des faits, l'autre traitant du Programme canadien de lutte contre les pluies acides.
Bibliothèque: OOP
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00124; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

9 (F13081)
Environnement Canada, Direction de la qualité des eaux ***Cette eau ... comporte-t-elle des risques?** * Environnement Canada , Ottawa, Ont * 1987 * 8p

Ce dépliant décrit l'utilisation de données sur la qualité de l'eau et des objectifs de qualité de l'eau pour évaluer l'eau d'une rivière ou d'un lac. Il décrit le développement des objectifs de qualité de l'eau, et explique comment on se sert de ces objectifs pour déterminer si l'eau est acceptable pour des utilisations telles que la baignade, l'irrigation ou la vie aquatique. Le dépliant comprend une carte et des adresses où obtenir des renseignements complémentaires.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00125F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3

(819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

10 (F16020)
Environnement Canada, Conservation et Protection ***De l'eau - ici, là-bas, partout de l'eau** * Conservation et Protection, Environnement Canada , Ottawa, Ont * oct 1990 * 8p

Cette fiche d'information montre que les eaux douces du Canada se trouvent sous forme de rivières, de lacs, de nappes souterraines, de glace et de neige. On y présente les ressources mondiales en eau, ainsi qu'un tableau indiquant les plus grands bassins hydrographiques et les plus grands lacs du monde. On y explique également comment s'effectuent les mesures de débit et de niveau d'eau, ainsi que l'estimation des volumes d'eau souterraine, des réservoirs et des barrages.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00033F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

11 (F16019)
Environnement Canada, Conservation et Protection ***L'eau - cette magicienne de la nature** * Conservation et Protection, Environnement Canada , Ottawa, Ont * oct 1990 * 4p

Cette fiche d'information montre que l'eau est l'agent dissolvant, le médium, la participante et l'agent catalyseur dans la majorité des réactions chimiques qui se produisent dans notre environnement. Les propriétés physiques de l'eau sont mises en évidence par ses transferts au sein du cycle hydrologique. Celui-ci est illustré à l'aide d'une figure et expliqué grâce à la définition des principaux termes qui s'y rattachent.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00032F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

12 (F16222)
Santé et Bien-être social Canada, Direction générale de la protection de la santé, Direction de l'hygiène du milieu ***L'eau consommée à l'extérieur du foyer** * Direction de l'hygiène du milieu, Direction générale de la protection de la santé, Santé et Bien-être social Canada , Ottawa, Ont * 1986 * 2p

Ce feuillet d'information est destiné aux campeurs et personnes qui partent en excursion ou qui séjournent dans un chalet. On y explique comment désinfecter l'eau pour la rendre potable. On présente des méthodes de désinfection d'urgence de l'eau ainsi que des méthodes de désinfection systématique de l'eau alimentant les chalets, les caravanes motorisées, etc.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00313F; Également disponible gratuitement de Santé et Bien-être social Canada, Centre de distribution des publications, 19e étage, Immeuble Jeanne Mance, Parc Tunney, Ottawa (Ont) K1A 0K9 (613) 952-9191

13 (F16025)
Environnement Canada, Conservation et Protection, Direction générale des eaux intérieures ***L'eau du Canada : l'avenir du Canada** * Direction générale des eaux intérieures, Conservation et Protection, Environnement Canada , Ottawa, Ont * 1988? * pd

Ce dépliant présente de l'information concernant les activités et les responsabilités de la Direction générale des eaux intérieures (DGEI) d'Environnement Canada au niveau de la gestion des eaux douces, de la recherche fédérale sur l'eau et de la mise en oeuvre d'une législation fédérale sur l'eau. Six feuillets d'information sont insérés dans le dépliant; ceux-ci décrivent les activités des six directions sous la tutelle de la DGEI, à savoir la Direction des ressources en eau, celle de la planification et de la gestion des eaux, celle de la qualité des eaux, celle de l'analyse et de la coordination des programmes, l'Institut national de recherche en hydrologie et l'Institut national de recherche sur les eaux.
Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00017F

14 (F16021)
Environnement Canada, Conservation et Protection ***L'eau propre - la vie en dépend!** * Conservation et Protection, Environnement Canada , Ottawa, Ont * oct 1990 * 12p

Cette fiche d'information présente plusieurs aspects de la qualité de l'eau. On y trouve une brève description des éléments qui déterminent la qualité de l'eau. On explique comment l'eau s'auto-épure, comment on mesure la qualité de l'eau, quelles sont les causes et les effets de la pollution de l'eau, quels sont les effets des produits chimiques toxiques sur la santé humaine et comment s'effectue le transport à longue distance des polluants atmosphériques. On montre enfin comment contrôler la pollution de l'eau grâce à des objectifs de qualité, des normes, des règlements et l'introduction de technologies nouvelles. On donne aussi des suggestions pour que chaque individu protège la qualité de l'eau et l'environnement.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00034F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

15 (F16022)

Environnement Canada, Conservation et Protection ***L'eau travaille pour nous!** * Conservation et Protection, Environnement Canada , Ottawa, Ont * 1990 * 12p

Cette fiche d'information met en évidence le fait qu'il y a des limites à la réutilisation de l'eau lorsque celle-ci retourne à la nature diminuée en quantité et en qualité. Il est essentiel de comprendre quelles sont les principales utilisations de l'eau, où ces usages ont lieu, comment ces utilisations interfèrent et entrent en compétition, et comment gérer cette compétition toujours plus forte. On y décrit les prélèvements d'eau, l'utilisation de l'eau au sein des rivières et des lacs et les mécanismes de tarification de l'eau. On y montre enfin l'importance de la qualité de l'eau et les utilisations futures de l'eau.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00035F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

16 (F16219)

Santé et Bien-être social Canada ; Environnement Canada ***Les eaux naturelles : guide pour la consommation de l'eau dans la nature** = Wilderness water : a guide to wilderness drinking water * Santé et Bien-être social Canada , Ottawa, Ont ; Environnement Canada , Regina, Sask * 1991 * 7p

Ce dépliant fournit de l'information aux Canadiens qui campent ou partent en excursion, sur des méthodes pour rendre potables les eaux naturelles. On y discute de trois méthodes d'épuration: l'ébullition, l'épuration chimique et la filtration.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00303; Également disponible gratuitement de la Direction générale des communications, Santé et Bien-être social Canada, Ottawa, (Ont) K1A 0H3 ou Direction générale des eaux, Environnement Canada, Regina (Sask) S4P 4K1

17 (F16023)

Environnement Canada, Conservation et Protection ***Les eaux souterraines - trésors cachés de la nature** * Conservation et Protection, Environnement Canada , Ottawa, Ont * 1990 * 12p

Cette fiche d'information détaille les divers aspects des eaux souterraines, ressource vitale pour 25% des Canadiens. On y explique pourquoi il faut protéger les eaux souterraines, les liens avec la géologie, la nature et l'écoulement des eaux souterraines, la nature des aquifères et l'utilisation de l'eau souterraine pour la production d'énergie. On y traite également de la place des eaux souterraines dans le cycle hydrologique, de la qualité et des utilisations des eaux souterraines, des intrusions d'eau salée, des sources de contamination, de l'importance de ces eaux pour les travaux de génie, ainsi que de la préservation des réserves d'eau souterraine.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00036F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

18 (F16073)

Environnement Canada, Service canadien de la faune ***Les milieux humides** (voir l'entrée n° 48 pour obtenir la référence complète)

19 (F16016)

Environnement Canada ; Santé et Bien-être social Canada ***Notre eau comporte-t-elle des risques?** * Environnement Canada , Ottawa, Ont ; Santé et Bien-être social Canada , Ottawa, Ont * 1990? * 8p

Le présent dépliant résume les valeurs maximales que peuvent présenter les paramètres organiques, inorganiques, radiologiques, physiques et microbiologiques pour que l'eau potable et l'eau douce ne comportent aucun risque pour la santé humaine et la vie aquatique. Les personnes qui désirent obtenir des renseignements complémentaires doivent consulter les Recommandations pour la qualité de l'eau potable au Canada (1989) ou les Recommandations pour la qualité des eaux au canada (1990).

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00126F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

20 (F14871)
Environnement Canada, Direction générale des eaux intérieures et des terres ***Les pluies acides : une évaluation nationale de la sensibilité** * Direction générale des eaux intérieures et des terres, Environnement Canada , Ottawa, Ont * 1988 * 6p

Ce document donne une évaluation nationale des ressources en eau de surface en péril. Cette évaluation est fondée sur le potentiel des sols et de la roche en place, de réduire l'acidité. Le bilan est alarmant puisque 46% de la surface terrestre au Canada possède des écosystèmes aquatiques qui ont une sensibilité élevée aux pluies acides. Les trois provinces les plus sensibles sont le Québec, Terre-Neuve et la Nouvelle-Écosse; il s'agit d'ailleurs des régions possédant la plus grande proportion d'eau fraîche, et des régions les appréciées pour la pêche sportive et la récréation extérieure. L'évaluation de la sensibilité a été établie en fonction d'un modèle tenant compte des caractéristiques particulières des sols et de la roche en place, réparties en classes de capacité relative à réduire l'acidité. Les cartes du pamphlet indiquent les régions dont la capacité à réduire l'acidité des précipitations est faible (classe 1), moyenne (classe 2) ou élevée (classe 3).

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00372F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa, (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

21 (F16221)
Santé et Bien-être social Canada, Direction générale de la protection de la santé ***Recommandations pour la qualité de l'eau** * Direction générale de la protection de la santé, Santé et Bien-être social Canada , Ottawa, Ont * 20 sept 1990 * 4p

Ce feuillet d'information annonce la publication de la quatrième édition des Recommandations pour la qualité de l'eau potable au Canada. On y montre sur quoi les recommandations sont basées, quels sont les contaminants des sources d'eau, ce que signifient les recommandations pour la santé et comment se procurer un exemplaire de ces Recommandations.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00314F; Également disponible gratuitement de Santé et Bien-être social Canada, Centre de distribution des publications, 19e étage Immeuble Jeanne Mance, Parc Tunney, Ottawa (Ont) K1A 0K9 (613) 952-9191

22 (F16074)
Environnement Canada, Conservation et Protection ***Santé de nos océans : aperçu de la qualité du milieu marin du Canada**. - Révisée * Conservation et Protection, Environnement Canada * 1989 * 4p

L'environnement marin au Canada est menacé par les grandes quantités de déchets qui y sont déversés. Dans ce rapport, on explique les mesures prises pour réduire cette menace, notamment l'éducation du public, le contrôle de la pollution, de nouvelles technologies, ainsi que les programmes gouvernementaux et les lois promulguées pour protéger l'environnement. On encourage le public à s'impliquer pour maintenir la qualité actuelle de l'environnement. Il suffit pour cela d'être vigilant dans l'emploi des détergents et au niveau des déchets déversés dans l'océan.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00128F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

23 (F13910)
Environnement Canada ***La tarification de l'eau dans les municipalités canadiennes : méthodes et barèmes actuels de tarification** * Direction générale des eaux intérieures, Environnement Canada , Ottawa, Ont * 1989 * 4p

Ce feuillet présente les résultats d'une enquête menée par Environnement Canada en 1987 sur les méthodes et barèmes de tarification de l'eau en vigueur dans les municipalités des différentes provinces et territoires du pays. L'étude montre que le prix de l'eau varie considérablement d'une province à l'autre et dans une même province. Le mode de tarification le plus courant au pays (37% des municipalités considérées) est celui du tarif unique; les autres modes sont le tarif dégressif par bloc (34%), le tarif constant (27%) et le tarif progressif (2%). Environ 71% des municipalités utilisent donc des barèmes de tarification ne comportant aucun incitatif financier à la conservation de l'eau (tarifs uniques) ou même décourageant la conservation (tarifs dégressifs). À l'échelle provinciale, plus les sources d'eau sont abondantes et de bonne qualité, plus le prix de l'eau est bas. En conclusion, les méthodes de tarification pratiquées ne satisfont pas aux critères de recouvrement des coûts, d'équité et d'efficience économique.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00019F

24 (F16135)
Pêches et Environnement Canada ***Une ressource vitale : déclaration de la politique fédérale sur les eaux intérieures** = A vital resource : federal policy statement on inland waters * Direction générale des eaux intérieures, Environnement Canada , Ottawa, Ont * 1978 * 12p

La déclaration de la politique fédérale met en évidence l'importance de l'eau pour les Canadiens, les responsabilités du gouvernement fédéral dans le domaine de l'eau et les politiques relatives aux eaux intérieures, ainsi que la volonté d'attaquer les problèmes relatifs à l'eau grâce à une approche conjointe fédérale-provinciale. Les principaux sujets de préoccupation sont la restauration et la protection de la qualité de l'eau, les règlements nationaux et directives sur les effluents, les études de bassins hydrographiques à frais partagés, ainsi que l'eau potable et à usage récréatif. Le gouvernement fédéral s'est aussi engagé à réduire les dommages causés par les inondations et par l'érosion des berges, à favoriser les recherches relatives à l'eau et au développement technologique, à encourager la collecte de données et à fournir des informations relatives à la navigation commerciale et de plaisance.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00271

25 (F16072)
Environnement Canada, Direction générale des eaux intérieures, Région de l'Ouest et du Nord ***Une rivière assiégée** = A river under siege * Direction générale des eaux intérieures, Région de l'Ouest et du Nord, Environnement Canada , Regina, Sask * 1986 * 6p

Ce dépliant aux couleurs vives peut facilement servir d'affiche dans des classes de niveau élémentaire. Il retrace le cours d'une rivière depuis sa source dans les montagnes jusqu'à son embouchure en mer. On y montre les principaux obstacles rencontrés en chemin par la rivière, notamment les pluies acides, les activités récréatives, l'exploitation forestière et minière, l'agriculture avec épandage de pesticides et les divers aménagements. On décrit également les liens entre la rivière et les marais, les inondations et les frayères. Enfin, on explique l'aménagement de barrages pour produire de l'énergie électrique.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00020; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

Guides

26 (F16010)
Environnement Canada, Direction générale des communications ***Ce que nous pouvons faire pour l'environnement : des centaines d'idées pratiques** * Direction générale des communications, Environnement Canada , Hull, Qc * 1990 * 49p

Cette brochure offre des centaines de conseils et suggestions au niveau d'habitudes à prendre pour protéger l'environnement. On peut appliquer ces conseils tous les jours dans le jardin, à la maison, au magasin, à l'école, en automobile, au travail et en vacances. Les chapitres Réservé aux jeunes et Vous et vos voisins présentent des initiatives pour protéger l'environnement et donnent quelques exemples. Dans chaque chapitre, on trouve des conseils pour éviter de gaspiller l'eau. Des références supplémentaires et des sources de documentation sont fournies à la fin de chaque chapitre. On trouve également la liste des bureaux de communication d'Environnement Canada, celle des ministères provinciaux et territoriaux de l'environnement, ainsi que celle des organismes effectuant le recyclage.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00024F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

27 (F16013)
Environnement Canada ***L'eau : pas de temps à perdre : la conservation de l'eau, guide du consommateur** * Environnement Canada , Ottawa, Ont * 1990 * 23p

Ce guide explique l'importance de la conservation de l'eau et décrit ce que le public peut faire pour réduire la consommation d'une des ressources les plus précieuses de la planète. Il est essentiel de comprendre le fonctionnement du cycle de l'eau dans l'environnement pour réaliser le rôle que chaque individu peut jouer pour améliorer la qualité de l'eau et éviter son gaspillage. On y trouve des chapitres traitant du cycle de l'eau, de la conservation de l'eau, de la gestion de l'eau à la cuisine et de l'utilisation rationnelle de l'eau à la salle de bains, dans la salle de lavage et à l'extérieur. On y fournit également des chiffres sur la quantité d'eau qu'une famille typique peut épargner et on montre le niveau auquel se situent les Canadiens quant à la conservation de l'eau. On indique enfin où se procurer de l'information complémentaire sur les ressources en eau.

Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00029F; Vendu par le Groupe Communication Canada - Édition, Ottawa (Ont) K1A 0S9 (819) 956-4802, TÉLÉC (819) 994-1498

28 (F16075)
Environnement Canada, Conservation et Protection
***Notions élémentaires sur l'eau : questions et réponses**. - Deuxième édition * Conservation et Protection, Environnement Canada , Ottawa, Ont * 1991 * 76p

Ce document fournit une information assez complète sur les différents aspects de l'eau au Canada. On y répond à de nombreuses questions relatives aux caractéristiques physiques de l'eau, à sa disponibilité en surface et en profondeur, à ses diverses utilisations, à sa qualité, à sa gestion et à son partage. On décrit en détail les écosystèmes aquatiques et on montre leur importance. Enfin, on y présente des suggestions sur la façon dont chaque individu peut aider à conserver cette précieuse ressource. Cette publication est destinée au grand public et aux étudiants du secondaire.
Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00027F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

Articles de revues

29 (F16272)
MORRIS, W.V. ***L'eau : source de vie** (voir l'entrée n° 56 pour obtenir la référence complète)

Éducation secondaire débutants

Guides pédagogiques

30 (F16024)
Fédération canadienne de la faune ***Atout-faune : guide des activités**. - 2ième édition * Fédération canadienne de la faune , Ottawa, Ont * 1991 * xii, 468p

Ce manuel est centré sur l'environnement et la conservation des espèces sauvages. On y présente de nombreuses activités intéressantes conçues pour s'intégrer facilement aux programmes et disciplines scolaires, notamment les sciences pures, les sciences sociales, les activités linguistiques, les mathématiques et les arts. L'objectif de ce manuel est de stimuler, chez les élèves de tout âge, une prise de conscience de l'environnement afin d'adopter une attitude positive face à la faune et la flore. Chaque activité comprend l'énoncé des objectifs visés, un résumé de l'activité, une description du contexte, une liste du matériel nécessaire, la marche à suivre, les niveaux visés, les aptitudes requises, les méthodes d'évaluation, la durée de l'exercice, le cadre et le vocabulaire clé. Ces activités couvrent les principaux domaines de sensibilisation à l'environnement, les principes écologiques, la gestion et conservation de la nature, les relations entre les humains, la culture et la faune, les tendances et problèmes, ainsi que la prise de responsabilités. La plupart de ces activités mettent en évidence l'importance de l'eau pour les humains et la faune.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00131F

Éducation élémentaire

Travaux créatifs (littérature, dessins humoristiques ...)

31 (F16014)
Pêches et Océans Canada ***Conte du vendredi** * Direction générale des communications, Pêches et Océans , Ottawa, Ont * 1989 , 1 trousse (3 articles) : 1 cahier d'exercice; 1 guide pédagogique; 1 macaron

Cette brochure raconte les aventures de Louïes, un poisson imaginaire. On y met en évidence les dangers rencontrés par les poissons dans les eaux canadiennes, notamment ceux dus aux pluies acides, à la pollution et à la décharge de déchets dans les océans. On décrit des projets comme le Programme de mise en valeur des salmonidés et l'aquiculture. Au niveau des activités, on trouve un glossaire avec des définitions et des questions, des questions à choix multiples qui se rapportent à ce glossaire et au conte, des idées pour des travaux de recherche, une recette de poisson et des mots-croisés utilisant les termes du glossaire et du conte. Cette brochure est destinée aux élèves des niveaux intermédiaires. Le cahier d'exercice est accompagné d'un macaron de Louïes et d'un guide du maître qui contient les solutions aux jeux-questionnaires.

Bibliothèque: OKQ

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00025F; Également disponible gratuitement du Centre d'information, Direction générale des communications, Pêches et Océans, Ottawa (Ont) K1A 0E6 (613) 993-0999

Niveaux intermédiaires

Guides utilisés en classe

32 (F16209)
Fédération canadienne de la faune ***L'eau, de la vie en nature!** * Fédération canadienne de la faune , Ottawa, Ont * 1991 , 1 trousse (4 articles) : 1 guide pédagogique; 1 feuillet; 1 formulaire; 1 affiche: coul, 56x86 cm

Cette trousse contient un guide pédagogique de 24 pages, une affiche en couleurs, un formulaire d'aide financière et d'inscription au projet Habitat 2000, ainsi qu'un feuillet résumant les activités du projet Habitat 2000. La trousse est conçue pour les niveaux intermédiaires; on y montre l'importance de l'eau pour la faune, et on suggère des expériences diverses d'apprentissage de la faune et du milieu aquatique. Les thèmes traités dans ce dossier incluent la protection des milieux humides, la surveillance de la qualité de l'eau, le contrôle des plantes aquatiques et des déchets ménagers, ainsi que le nettoyage des communautés aux alentours des écoles.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00178F; Également disponible de la Fédération canadienne de la faune, 1673 avenue Carling, Ottawa (Ont) K2A 3Z1 (613) 725-2191

33 (F16197)
ROSS, M. ; OJHA, B. ***Jiksituik : écoutez mon histoire** * Service de la protection de l'environnement, Environnement Canada , Dartmouth, NÉ * sd , 1

trousse (2 articles) : 1 guide pédagogique; 1 livre pour enfants

Cette trousse contient un livre de contes et un guide d'utilisation. Elle est conçue pour servir dans le cadre d'études sociales ou scientifiques aux niveaux quatre et cinq. Le conte illustré est raconté par un personnage mythique basé sur une légende micmac. On y présente une vue chronologique de l'environnement canadien par l'intermédiaire des peuples autochtones qui vivaient au Canada lors de l'arrivée des colons européens. À chaque section du conte on suggère des activités. Le guide d'utilisation fournit quant à lui une approche structurée de chaque section du conte. On y suggère des sujets de discussion ainsi que des activités. Le guide fournit également une liste de termes et d'expressions typiques pour chaque section. On recommande d'utiliser cette trousse en automne ou en printemps afin de pouvoir réaliser les activités suggérées.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00115F

Guides pédagogiques

34 (F16198)

CUSO, Comité de Carleton ***De l'eau pour Tonoumassé** * Comité Carleton de CUSO , Ottawa, Ont * juin 1989 , 1 trousse (2 articles) : 1 vidéocassette (28 min): son, coul, VHS; 1 guide pédagogique (57p): tabl, fig, ill

Cette trousse, qui contient une vidéocassette et un guide pédagogique, raconte l'histoire d'un village au Togo. On y montre que les habitants de ce pays ont besoin d'un meilleur système d'approvisionnement en eau et comment ils travaillent ensemble pour améliorer leurs conditions de vie. Cette trousse est destinée aux enseignants de géographie, de sciences et de français, au niveau intermédiaire. On peut l'utiliser dans le contexte d'un programme d'études sur les pays en voie de développement. La vidéocassette raconte l'histoire de l'arrivée d'une pompe à eau dans le village de Tonoumassé, dans le cadre du projet d'hydraulique villageoise exécuté au Togo par le gouvernement togolais et le CUSO. Les enseignants peuvent choisir des activités comme des discussions en petits groupes, une rédaction à propos de cette histoire, ou encore des projets de recherche. On peut ainsi mener une étude d'une ou deux semaines sur l'environnement et les conditions de vie dans un pays en voie de développement, ou sur l'approvisionnement et l'utilisation de l'eau au Togo.

Disponibilité: Disponible de Vidéographe, 4550 rue Garnier, Montréal (Qc) H2J 3S6 (514) 521-2116

Écoles secondaires

Livres, livrets

35 (F15024)

Environnement Canada ***L'odyssée des pluies acides**
(voir l'entrée n° 6 pour obtenir la référence complète)

Éducation préscolaire

Travaux créatifs (littérature, dessins humoristiques ...)

36 (F16212)
SHAPP, M. ; SHAPP, C. **•Je me renseigne sur l'eau** * Grolier limitée , Montréal, Qc * 1971 * 42p

Ce livre d'images s'adresse aux jeunes enfants qui apprennent à lire et à écrire. On y décrit à l'aide de phrases simples l'importance de l'eau pour les êtres humains, les animaux et les plantes. On y montre que tous les organismes ont besoin d'eau pour vivre, et on illustre différents usages de l'eau. On décrit schématiquement le cycle de l'eau et les propriétés de l'eau.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00323F

Éducation secondaire débutants

Guides

37 (F16010)
Environnement Canada, Direction générale des communications **•Ce que nous pouvons faire pour l'environnement : des centaines d'idées pratiques**(voir l'entrée n° 26 pour obtenir la référence complète)

Éducation élémentaire

Affiches, tableaux

38 (F16100)
Environnement Canada, Conservation et Protection **•Pluies acides** * Conservation et Protection, Environnement Canada * 1990? , 1 affiche : n&b, 60x43 cm; 1 affiche : n&b, 43x28 cm

La plus petite des deux affiches, dont le format permet la photocopie, est conçue pour être coloriée par des enfants au niveau élémentaire. Cette affiche illustre le problème des pluies acides. On commence par leur provenance, à savoir les industries, les fonderies, les centrales énergétiques, les voitures et les camions. On montre ensuite le chemin suivi par ces polluants dans l'atmosphère, ainsi que leur dépôt qui affecte négativement les rivières, les lacs et la végétation. La grande affiche, dont le thème est identique, est conçue pour l'usage du professeur.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00030F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

Éducation primaire

Travaux créatifs (littérature, dessins humoristiques ...)

39 (F16090)
Environnement Ontario **•Envo et Enva descendent sur terre pour vérifier la qualité de l'eau** * Environnement Ontario , Toronto, Ont * 1990 * 4p

Cette bande dessinée s'adresse aux élèves de la maternelle à la 4e année. On y montre l'importance d'une eau saine pour la nature et la société. On y passe en revue les sources de pollution de l'eau.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00207F; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

Enseignement secondaire

Livres, livrets

40 (F16220)
Environnement Canada **•L'ABC... de la pollution** (voir l'entrée n° 1 pour obtenir la référence complète)

41 (F01412)
Environnement Canada **•L'environnement a besoin de vous** (voir l'entrée n° 4 pour obtenir la référence complète)

42 (F16015)
Fondation Harmonie du Canada **•Guide pour la famille et la maison : la protection de l'environnement au quotidien** (voir l'entrée n° 5 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

43 (F16020)
Environnement Canada, Conservation et Protection ***De l'eau - ici, là-bas, partout de l'eau** (voir l'entrée n° 10 pour obtenir la référence complète)

44 (F16019)
Environnement Canada, Conservation et Protection ***L'eau - cette magicienne de la nature** (voir l'entrée n° 11 pour obtenir la référence complète)

45 (F16021)
Environnement Canada, Conservation et Protection ***L'eau propre - la vie en dépend!** (voir l'entrée n° 14 pour obtenir la référence complète)

46 (F16022)
Environnement Canada, Conservation et Protection ***L'eau travaille pour nous!** (voir l'entrée n° 15 pour obtenir la référence complète)

47 (F16023)
Environnement Canada, Conservation et Protection ***Les eaux souterraines - trésors cachés de la nature** (voir l'entrée n° 17 pour obtenir la référence complète)

48 (F16073)
Environnement Canada, Service canadien de la faune ***Les milieux humides** * Service canadien de la faune, Environnement Canada , Ottawa, Ont * 1989 * 5p

Ce feuillet présente les quatre grands types de milieux humides que l'on rencontre au Canada, à savoir les marais, les marécages, les étangs et les tourbières. On y décrit les caractéristiques de chaque type de milieu humide, leur utilité en tant qu'habitat privilégié pour la faune et leur importance dans l'environnement. On encourage le public à préserver activement cette ressource menacée de disparition et on présente quelques suggestions sur la manière d'y arriver.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00118F

49 (F14871)
Environnement Canada, Direction générale des eaux intérieures et des terres ***Les pluies acides : une évaluation nationale de la sensibilité** (voir l'entrée n° 20 pour obtenir la référence complète)

50 (F16074)
Environnement Canada, Conservation et Protection ***Santé de nos océans : aperçu de la qualité du milieu marin du Canada**. - Révisée (voir l'entrée n° 22 pour obtenir la référence complète)

51 (F16072)
Environnement Canada, Direction générale des eaux intérieures, Région de l'Ouest et du Nord ***Une rivière assiégée** = A river under siege (voir l'entrée n° 25 pour obtenir la référence complète)

Guides

52 (F16013)
Environnement Canada ***L'eau : pas de temps à perdre : la conservation de l'eau, guide du consommateur** (voir l'entrée n° 27 pour obtenir la référence complète)

53 (F16075)
Environnement Canada, Conservation et Protection ***Notions élémentaires sur l'eau : questions et réponses**. - Deuxième édition (voir l'entrée n° 28 pour obtenir la référence complète)

Matériel didactique

54 (F16012)
Environnement Canada ***L'écolo en herbe** * Environnement Canada * 1991 * 12p

Cette brochure est conçue pour mettre en évidence le fait que les Canadiens peuvent agir soit en consommateurs irréfléchis et contribuer ainsi au problème de pollution, soit en consommateurs responsables et contribuer à régler le problème de pollution. On y trouve de l'information sur la gestion des déchets, comment mettre en pratique les quatre R (réduire, récupérer, réutiliser et recycler), sur les déchets solides, comment réduire la quantité de déchets, sur les écosystèmes et sur la pollution. On y décrit brièvement quelques services d'Environnement Canada, soit Parcs Canada, Conservation et Protection, ainsi que l'Environnement atmosphérique. On spécifie les responsabilités des différents paliers de gouvernement au niveau de la protection de l'environnement. On y trouve également un questionnaire sur l'environnement, des mots croisés, un jeu sur le recyclage et une maquette du monde avec les principaux problèmes de l'environnement.
Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00028F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

Périodiques, revues

55 (F16210)
Agence canadienne de développement international (ACDI) ***L'eau** = Water * In: Sous un même soleil * Agence canadienne de développement international, Hull, Qc * automne 1988 * 16p , 1 affiche : coul, 28x43 cm

Ce numéro de la revue Sous un même soleil, destinée aux jeunes de 12 à 15 ans, discute de l'importance de la ressource eau au niveau du développement international. On met l'accent sur la nécessité de la conservation internationale de cette ressource grâce à la coopération et à la prise de connaissance d'autrui. On y présente également des études de cas, notamment le contrôle des inondations en Tunisie, la demande en eau au Pérou et quelques faits sur l'eau en Indonésie. On y trouve des mots croisés, des questionnaires et des fiches d'information sur l'eau.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00046; Également disponible gratuitement des Éditions Jeunesse, ACDI, CP 1310, Succ B, Hull (Qc) J8X 9Z9

Écoles secondaires

Articles de revue

56 (F16272)
MORRIS, W.V. ***L'eau : source de vie** * Direction des eaux intérieures, Ministère de l'Energie, des Mines et des Ressources , Ottawa, Ont * 1969 * 61p

Ce document fournit au public une information assez complète sur l'importance de l'eau pour maintenir la vie sur terre, sur l'origine de l'eau de la planète et sur l'approvisionnement en eau au Canada et dans le monde. On y présente les répercussions de demandes contradictoires sur la mise en valeur et la conservation des eaux. On traite également des problèmes du Canada au niveau de la gestion des eaux, notamment les inondations, les pénuries et la pollution. Enfin, on discute le partage des juridictions entre le gouvernement fédéral et les gouvernements provinciaux dans le domaine de la gestion des ressources hydrauliques; on montre que les deux niveaux de gouvernement doivent coopérer s'ils veulent gérer efficacement les ressources en eau du pays.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00112F

Enseignement postsecondaire

Feuillets d'information, brochures, dépliants

57 (F16020)
Environnement Canada, Conservation et Protection ***De l'eau - ici, là-bas, partout de l'eau** (voir l'entrée n° 10 pour obtenir la référence complète)

58 (F16019)
Environnement Canada, Conservation et Protection ***L'eau - cette magicienne de la nature** (voir l'entrée n° 11 pour obtenir la référence complète)

59 (F16021)
Environnement Canada, Conservation et Protection ***L'eau propre - la vie en dépend!** (voir l'entrée n° 14 pour obtenir la référence complète)

60 (F16022)
Environnement Canada, Conservation et Protection ***L'eau travaille pour nous!** (voir l'entrée n° 15 pour obtenir la référence complète)

61 (F16023)
Environnement Canada, Conservation et Protection ***Les eaux souterraines - trésors cachés de la nature** (voir l'entrée n° 17 pour obtenir la référence complète)

62 (F14871)
Environnement Canada, Direction générale des eaux intérieures et des terres ***Les pluies acides : une évaluation nationale de la sensibilité** (voir l'entrée n° 20 pour obtenir la référence complète)

Guides

63 (F16013)
Environnement Canada ***L'eau : pas de temps à perdre : la conservation de l'eau, guide du consommateur** (voir l'entrée n° 27 pour obtenir la référence complète)

64 (F16075)
Environnement Canada, Conservation et Protection
***Notions élémentaires sur l'eau : questions et réponses.** - Deuxième édition (voir l'entrée n° 28 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

65 (F16020)
Environnement Canada, Conservation et Protection ***De l'eau - ici, là-bas, partout de l'eau** (voir l'entrée n° 10 pour obtenir la référence complète)

66 (F16019)
Environnement Canada, Conservation et Protection ***L'eau - cette magicienne de la nature** (voir l'entrée n° 11 pour obtenir la référence complète)

67 (F16021)
Environnement Canada, Conservation et Protection ***L'eau propre - la vie en dépend!** (voir l'entrée n° 14 pour obtenir la référence complète)

68 (F16022)
Environnement Canada, Conservation et Protection ***L'eau travaille pour nous!** (voir l'entrée n° 15 pour obtenir la référence complète)

69 (F16219)
Santé et Bien-être social Canada ; Environnement Canada ***Les eaux naturelles : guide pour la consommation de l'eau dans la nature** = Wilderness water : a guide to wilderness drinking water (voir l'entrée n° 16 pour obtenir la référence complète)

70 (F16023)
Environnement Canada, Conservation et Protection ***Les eaux souterraines - trésors cachés de la nature** (voir l'entrée n° 17 pour obtenir la référence complète)

71 (F16221)
Santé et Bien-être social Canada, Direction générale de la protection de la santé ***Recommandations pour la qualité de l'eau** (voir l'entrée n° 21 pour obtenir la référence complète)

Guides

72 (F16010)
Environnement Canada, Direction générale des communications ***Ce que nous pouvons faire pour l'environnement : des centaines d'idées pratiques** (voir l'entrée n° 26 pour obtenir la référence complète)

73 (F16013)
Environnement Canada ***L'eau : pas de temps à perdre : la conservation de l'eau, guide du consommateur** (voir l'entrée n° 27 pour obtenir la référence complète)

74 (F16075)
Environnement Canada, Conservation et Protection ***Notions élémentaires sur l'eau : questions et réponses**. - Deuxième édition (voir l'entrée n° 28 pour obtenir la référence complète)

Guides pédagogiques

75 (F16024)
Fédération canadienne de la faune ***Atout-faune : guide des activités**. - 2ième édition (voir l'entrée n° 30 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

76 (F13910)
Environnement Canada ***La tarification de l'eau dans les municipalités canadiennes : méthodes et barèmes actuels de tarification** (voir l'entrée n° 23 pour obtenir la référence complète)

Livres, livrets

77 (F16102)
KAY, B.H. ***Les polluants dans le milieu marin de la Colombie-Britannique** * Conservation et Protection, Environnement Canada , West Vancouver, CB * 1989 * 12p

Ce feuillet d'information traite des sources de pollution qui menacent l'équilibre fragile de l'environnement marin et des effets qu'entraînent ces polluants. On porte une attention particulière aux contaminants rémanents, c'est-à-dire les métaux-traces, les BPC, les hydrocarbures aromatiques polycycliques, les chlorophénates, les dioxines et les furannes. L'immersion autorisée de déchets en mer, les déversements accidentels en mer et les sources diffuses de pollution constituent également des menaces pour l'environnement marin. On décrit les initiatives prises par les gouvernements et les industries pour contrôler la pollution en mer. En fait, ce document résume les données présentées dans le premier Rapport sur l'état de l'environnement, les polluants dans le milieu marin de la Colombie-Britannique, qui contient des données pour 1970-1986. Ces données sont complétées dans le présent feuillet d'information par les données 1986-1988 ainsi que par de l'information à jour sur les programmes et la règlementation.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00144F

Matériel audiovisuel

78 (F16026)
Waterhen Film Productions ***Les estuaires du Pacifique : où les fleuves joignent la mer** * Waterhen Film Productions * sd , 1 vidéocassette (28 min) : son, coul, VHS

Cette vidéocassette illustre la beauté des estuaires de Colombie-Britannique sur la côte du Pacifique. Une combinaison unique de paramètres tels l'humidité, la salinité, le relief et la végétation font que ces habitats aquatiques conviennent parfaitement aux saumons du Pacifique, aux épaulards, aux bécasseaux, aux ours grizzli, aux aigles à tête blanche, aux oies blanches et aux holothuries vertes, qui y abondent. Les aménagements commerciaux, notamment les scieries, les ports, les terminaux pour le transport maritime et les conserveries de poisson, mettent en danger cet environnement fragile. À cela s'ajoutent les dangers dus à l'urbanisation et au développement du tourisme. Même si des mesures ont été prises par les industries pour contrôler le rejet des eaux usées dans les estuaires, cela ne suffit pas à protéger cet environnement; la participation du public s'avère essentielle.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00132F

266

Enseignement secondaire

Livres, livrets

79 (F16102)
KAY, B.H. ***Les polluants dans le milieu marin de la Colombie-Britannique** (voir l'entrée n° 77 pour obtenir la référence complète)

Matériel audiovisuel

80 (F16026)
Waterhen Film Productions ***Les estuaires du Pacifique : où les fleuves joignent la mer** (voir l'entrée n° 78 pour obtenir la référence complète)

Enseignement postsecondaire

Livres, livrets

81 (F16102)
KAY, B.H. ***Les polluants dans le milieu marin de la Colombie-Britannique** (voir l'entrée n° 77 pour obtenir la référence complète)

Matériel audiovisuel

82 (F16026)
Waterhen Film Productions ***Les estuaires du Pacifique : où les fleuves joignent la mer** (voir l'entrée n° 78 pour obtenir la référence complète)

Matériel audiovisuel

83 (F16026)
Waterhen Film Productions ***Les estuaires du Pacifique : où les fleuves joignent la mer** (voir l'entrée n° 78 pour obtenir la référence complète)

Éducation élémentaire

Travaux créatifs (littérature, dessins humoristiques ...)

84 (F16097)
Parcs Canada, Région de l'Ouest ***L'eau, source de vie : parc national Elk Island** = The living waters : Elk Island National Park * Parcs Canada, Région de l'Ouest * 1979 , 1 jeu : coul, 62x77 cm

Ce jeu, qui nécessite deux dés, est conçu pour 2 à 4 joueurs âgés de 7 à 12 ans. On y trouve de l'information ou une activité à faire pour chaque tour. Ce jeu aide les enfants à découvrir le lac Astotin, dans le parc national Elk Island. On y donne notamment une brève description illustrée du réseau alimentaire, ainsi que les impacts du vent, du soleil, des minéraux et des saisons sur les plantes et les animaux du lac. On suggère des activités lors de la visite du lac et on présente brièvement le carouge à épaulettes, le grand héron, le grèbe jougris, le bihorneau à couronne noire, les sangsues, les rameurs, les poissons du lac et les quenouilles. Un labyrinthe illustre la façon dont les grèbes évitent de nombreux dangers pour se réfugier au lac Astotin, et un casse-tête permet de se renseigner sur la façon dont le castor s'adapte aux changements de saison.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00026

Livres, livrets

85 (F16128)
Environnement Canada ***Des eaux pures : vers l'assainissement de l'écosystème des Grands Lacs et du Saint-Laurent** * Environnement Canada, Direction générale des communications, Région de l'Ontario , Toronto, Ont * 1990 * 23p

Cette brochure vise à faciliter la compréhension de quelques-uns des problèmes qui accablent l'écosystème des Grands Lacs et du Saint-Laurent, particulièrement la pollution par les produits toxiques. On y décrit aussi les moyens mis en oeuvre, notamment par le gouvernement du Canada, pour dépolluer et assainir cet écosystème. On traite surtout des Grands Lacs, mais il ne faut pas oublier que lacs et rivières sont intimement liés; ils constituent un écosystème où l'air, l'eau, la faune, les êtres humains et aussi la pollution circulent librement. Cette publication fait largement état des travaux du gouvernement du Canada, mais aussi des autres gouvernements du pays ainsi que de ceux des États-Unis. Les lecteurs sont invités à communiquer avec les organismes gouvernementaux, canadiens et autres, les entreprises et les corps intermédiaires pour obtenir plus de renseignements. On trouvera à la fin de la brochure une liste d'adresses utiles.(au)

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00187F; Également disponible gratuitement d'Environnement Canada, Direction générale des communications, Région de l'Ontario, 25 avenue St Clair est, 6e étage, Toronto (Ont) M4T 1M2 (416) 973-6467

86 (F16094)
Environnement Ontario ***Sensibilité des lacs de l'Ontario aux dépôts acides** = Acid sensitivity of lakes in Ontario * Environnement Ontario , Toronto, Ont * 1990 * 30p

Ce livret destiné au grand public résume l'enquête sur les taux d'acidité des lacs de l'Ontario. On y présente une liste alphabétique, par comté ou district, des lacs échantillonnés en indiquant leur sensibilité relative.

Bibliothèque: OON

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00203; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

87 (F16095)
Environnement Ontario ***Les stations de vidange =** Marine pump-out stations . - Édition revue et corrigée * Environnement Ontario , Toronto, Ont * 1989 * 26p

Ce livret s'adresse aux plaisanciers de l'Ontario. On y explique les règlements qui interdisent le rejet d'eaux usées traitées et brutes depuis une embarcation de plaisance. On y précise l'obligation qu'ont les marinas et les clubs de voile d'offrir des stations de vidange. On y trouve également un répertoire de 18 pages des marinas de l'Ontario qui sont munies de telles stations.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00205; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

88 (F16092)
Environnement Ontario ***La vie au chalet : comprendre et respecter l'environnement**. - Sixième édition * Environnement Ontario , Toronto, Ont * 1989 * 49p

Ce livret destiné au grand public constitue un guide pour aider les propriétaires de chalet à comprendre et à protéger leur environnement. On y traite de la qualité de l'eau, de la lutte contre les plantes aquatiques et les algues, de l'acidification des lacs, de l'épuration de l'eau, des systèmes d'évacuation des eaux usées, de la contamination des poissons, de la lutte contre les insectes et autres parasites, de la gestion des déchets, de la navigation de plaisance et de la gestion des projets d'aménagement.

Bibliothèque: OONL

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00202F; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

Rapports descriptifs

89 (F16218)
YEE, P. ; EDGETT, R. ; EBERHARDT, A.* **Régulation des Grands Lacs et du fleuve Saint-Laurent : ce que cela signifie et comment cela fonctionne.** - Première édition * Environnement Canada, région de l'Ontario , Burlington, Ont ; Division du centre nord, US Army Corps of Engineers , Chicago, IL, US * mai 1990 * 12p

Le système des Grands Lacs et du Saint-Laurent constitue une des ressources naturelles les plus importantes en Amérique du Nord. Les lacs et les rivières procurent d'importants bénéfices aux

habitants de la région, notamment une source d'électricité. Lors du développement de l'énergie hydroélectrique, on a construit des barrages pour régulariser les débits de deux des Grands Lacs: le lac Supérieur et le lac Ontario. Dans cette brochure, on explique quand et comment on a effectué la régularisation, comment cela fonctionne et quels en sont les bénéfices et les limites.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00302F; Également disponible gratuitement du Centre de communication de données sur le niveau des Grands Lacs, Environnement Canada, CP 5050, 867 chemin Lakeshore, Burlington (Ont) L7R 4A6 (416) 336-4581

Feuillets d'information, brochures, dépliants

90 (F16273)
Environnement Ontario, Section des Grands Lacs ; Environnement Canada ***Assainissons ensemble les Grands Lacs : plan d'assainissement** = Working together for the Great Lakes : remedial action plan * Environnement Ontario, Section des Grands Lacs , Toronto, Ont ; Environnement Canada , Toronto, Ont * sd * 4p

Ce document est conçu pour informer le public des plans de remise en état élaborés par les gouvernements de l'Ontario et du Canada. Ces plans d'assainissement visent à restaurer et à protéger la qualité de l'eau de 17 secteurs canadiens des Grands Lacs. On présente les secteurs principaux de préoccupation et un aperçu du problème de la pollution dans les Grands Lacs. La consultation et la participation du public jouent un rôle crucial dans le processus d'élaboration du plan. On encourage donc le public à s'impliquer et à contribuer au développement puis à la mise en oeuvre de ces plans d'assainissement.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00367

91 (F16207)
Environnement Ontario ***L'eau potable** = Drinking water * Environnement Ontario , Toronto, Ont * été 1990 * 5p

Ce feuillet d'information destiné au grand public présente un historique détaillé du traitement de l'eau en Ontario. On y discute des efforts déployés par des villes ontariennes pour rendre leur eau réellement potable et on présente le traitement actuel de l'eau en Ontario.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00214; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

92 (F16129)
Ministère de l'Environnement de l'Ontario ; Ministère de la Consommation et du Commerce de l'Ontario ***Eau potable? Conseils au consommateur sur l'utilisation des dispositifs d'épuration de l'eau à domicile** * Ministère de l'Environnement de l'Ontario ; Ministère de la Consommation et du Commerce de l'Ontario * 1986? * 7p

Ce feuillet destiné au grand public donne des conseils sur l'utilisation des dispositifs d'épuration de l'eau à domicile.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00165F; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

93 (F16204)
Environnement Ontario ***Environnement Ontario et la protection des eaux** = Environment Ontario water programs * Environnement Ontario , Toronto, Ont * été 1990 * 3p

Ce feuillet d'information s'adresse au grand public et aux élèves des cycles moyen et supérieur. On y explique les principales initiatives prises par Environnement Ontario pour protéger et préserver la qualité des eaux, notamment la Stratégie municipale et industrielle de dépollution (SMID), les plans d'assainissement, les programmes Eau saine et de surveillance de l'eau potable, ainsi que le programme de surveillance de la contamination du poisson gibier.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00217; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

94 (F16131)
Environnement Ontario ***L'épuration des eaux d'égout** = Sewage treatment processes * Environnement Ontario , Toronto, Ont * été 1990 * 5p

Ce feuillet d'information destiné au grand public explique les divers modes d'épuration en usage en Ontario ainsi que le but de cette épuration.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00219; Également

disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

95 (F16202)
Environnement Ontario ***Étude des précipitations acides aux lacs Plastic et Harp** = Acid rain studies at Plastic and Harp lakes * Environnement Ontario , Toronto, Ont * été 1990 * 3p

Ce feuillet d'information destiné au grand public donne un aperçu des études biogéochimiques entreprises pour ces lacs dans le cadre de l'Étude sur les précipitations acides en Ontario. On y décrit brièvement les résultats préliminaires obtenus.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00209; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

96 (F16093)
Environnement Ontario ***Feuillet d'information sur la SMID : prévenir la pollution de l'eau** = Backgrounder on MISA : stopping water pollution at its source * Environnement Ontario , Toronto, Ont * sd * 2p

Ce feuillet destiné au grand public explique l'objet de la SMID, à savoir réduire systématiquement la pollution des effluents municipaux et industriels. On y trouve aussi la liste des nouveaux règlements adoptés pour sévir contre les pollueurs. Enfin, on y explique les processus de consultation et l'établissement des règlements.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00171; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

97 (F16203)
Environnement Ontario ***Formation d'écume sur les eaux superficielles de nos lacs : un phénomène tout à fait naturel** = Foaming of surface waters : a natural phenomenon on Ontario lakes * Environnement Ontario , Toronto, Ont * été 1990 * 2p

Ce feuillet d'information destiné au grand public explique les causes naturelles de la formation d'écume sur les eaux superficielles. On y décrit également les types de polluants responsables de la formation d'écume dans certaines eaux, leur origine et les mesures prises pour les éliminer.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00216; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

98 (F16011)
Commission de planification de la régularisation de la rivière des Outaouais ***Gestion des eaux de la rivière des Outaouais** = Managing the waters of the Ottawa River * Commission de planification de la régularisation de la rivière des Outaouais , Hull, Qc * mai 1984 * 12p

Ce pamphlet présente les résultats d'une étude portant sur les inondations de la rivière des Outaouais. On y décrit les initiatives récentes destinées à régler le problème des inondations, notamment la mise en place de réservoirs pour contrôler les inondations et celle d'un comité de régularisation, la Commission de planification de la régularisation de la rivière des Outaouais. Ce comité est responsable des opérations courantes des principaux réservoirs du bassin hydrographique.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00090; Également disponible gratuitement de la Commission de planification de la régularisation de la rivière des Outaouais, Place Vincent Massey, 351 boulevard St-Joseph, Hull (Qc) J8X 3Z5

99 (F16134)
Environnement Ontario ***Il faut intensifier la lutte contre les pluies acides** = New evidence for acid rain fight * Environnement Ontario , Toronto, Ont * été 1990 * 3p

Ce feuillet d'information est destiné au grand public. On y discute de trois rapports scientifiques publiés par Environnement Ontario, qui montrent la nécessité de réduire davantage les émissions d'anhydride sulfureux si on veut maîtriser les pluies acides.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00210; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

100 (F16137)
Environnement Canada, Bureau régional de l'Ontario ; Ministère de l'Environnement de l'Ontario ***Le phosphore** = Phosphorus * Environnement Canada, Bureau régional de l'Ontario , Toronto, Ont ; Ministère de l'Environnement de l'Ontario , Toronto, Ont * juil 1984 * 2p

Ce feuillet d'information générale explique comment le phosphore arrive dans les Grands Lacs et

quelles sont ses répercussions environnementales. On y décrit les actions prises par les gouvernements des États-Unis, du Canada et de l'Ontario pour éliminer la pollution causée par le phosphore dans les Grands Lacs.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00164

101 (F16089)
Environnement Ontario ***Les pluies acides, un compte à rebours : les symptômes de l'acidification** * Environnement Ontario , Toronto, Ont * 1991 * 6p

Ce feuillet destiné au grand public explique de quelle façon les pluies acides tuent la flore et la faune aquatique des lacs de l'Ontario. On y décrit également les variations du pH et leurs effets sur les écosystèmes aquatiques.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00206F; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

102 (F16136)
Environnement Ontario ***Puits d'eau en Ontario : renseignements importants sur la construction d'un puits** = Water wells in Ontario : important facts about water well construction * Environnement Ontario * 1988? * 4p

Ce dépliant présente les points importants relatifs à la construction et l'entretien d'un puits en Ontario. On y discute des exigences de construction, de la contamination des eaux souterraines, de l'entretien du puits et de son abandon. On y fournit aussi une liste de sources complémentaires d'information.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00204; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

103 (F16132)
Environnement Ontario ***Les puits et les réserves d'eau souterraine : préservation de la qualité de l'eau dans les puits forés à la tarière et les puits ordinaires** = Water wells and groundwater supplies : the protection of water quality in bored and dug wells * Environnement Ontario , Toronto, Ont * été 1990 * 4p

Ce feuillet d'information destiné au grand public explique les facteurs qui contribuent à détériorer la qualité de l'eau. On y propose des mesures préventives, notamment des conseils pour la construction de puits. On montre également comment sceller un puits foré à la tarière et un puits ordinaire.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00215; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

104 (F16130)
Environnement Ontario ***Les puits et les réserves d'eau souterraine : méthodes recommandées pour l'obturation des puits abandonnés** = Water wells and groundwater supplies : recommended methods for plugging abandoned water wells * Environnement Ontario , Toronto, Ont * été 1990 * 6p

Ce feuillet d'information est destiné aux gens qui souhaitent obturer un puits sur leur terrain. On y décrit les moyens de recouvrir divers types de puits abandonnés et on montre comment sceller des puits dans la couverture.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00213; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

105 (F16133)
Environnement Ontario ***Les systèmes à fosse septique** = Septic tank systems * Environnement Ontario, Toronto, Ont * été 1990 * 11p

Ce feuillet d'information est destiné au grand public, en particulier aux gens qui demandent un certificat d'autorisation pour l'aménagement d'un système à fosse septique. On y fournit des renseignements détaillés sur l'entretien d'un tel système.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00212; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

106 (F16206)
Environnement Ontario ***Systèmes d'évacuation des classes 1, 2 et 3** = Class 1, 2 and 3 sewage systems * Environnement Ontario , Toronto, Ont * été 1990 * 11p

Ce feuillet d'information est destiné aux habitants des secteurs non desservis par une usine municipale d'épuration des eaux d'égout. On y donne des renseignements sur les systèmes de catégories 1, 2 et 3, notamment la description de leur conception et de

BEST COPY AVAILABLE

leur usage, les règlements relatifs aux permis, les emplacements et les systèmes préfabriqués, ainsi que six schémas de construction.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00218; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

107 (F16103)
Environnement Canada ; Ministère des Richesses naturelles de l'Ontario ***Une nouvelle solution pour un vieux problème : le programme de réduction des dommages causés par les inondations Canada/Ontario** = A new approach to an old problem : the Canada Ontario Flood Damage Reduction Program * Environnement Canada , Ottawa, Ont ; Ministère des Richesses naturelles de l'Ontario , Toronto, Ont * 1986 * 10p

Le 31 mars 1978, le gouvernement fédéral et celui de l'Ontario ont signé un accord prévoyant la réduction des dommages causés par les inondations. Cette brochure décrit les principaux objectifs de l'accord, notamment la cartographie des risques d'inondation. On y présente également des cas d'inondations majeures en Ontario.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00284; Également disponible gratuitement du ministère des Richesses naturelles, Centre d'information, bureau 1640, Édifice Whitney, 99 rue Wellesley ouest, Toronto (Ont) M7A 1W3 ou encore de la Section des publications, Ministère des Services gouvernementaux, 880 rue Bay, 5e étage, Toronto (Ont) M7A 1N8 (416) 965-6015 ou 1-800-268-7540

108 (F16205)
Environnement Ontario ***Les usines de traitement de l'eau** = Drinking water treatment plant operation * Environnement Ontario , Toronto, Ont * été 1990 * 4p

Ce feuillet d'information destiné au grand public examine le rôle joué par Environnement Ontario dans la gestion des ressources en eau. On y décrit les principales méthodes de purification de l'eau ainsi que les appareils utilisés.
Bibliothèque: OONL
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00211; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

Niveaux intermédiaires

Guides pédagogiques

109 (F16076)

BILLINGTON, C. (éd) * **À la source de la conservation** * Office de protection de la nature de la Vallée Rideau ; Cataraqui Region Conservation Authority ; Mississippi Valley Conservation Authority ; Société d'aménagement de la rivière Nation-sud * 1984-1990 * 4v

Ces quatre volumes traitant de la conservation de la nature dans l'est de l'Ontario sont conçus pour aider les enseignants à préparer des excursions en écologie pour les niveaux 3 à 12. Chaque volume donne à l'enseignant une information de base sur les sujets traités. Une section de Préparation à la classe présente les concepts de base du stress, fournit une liste de mots nouveaux et indique les points à développer avant les excursions. On trouve également des suggestions sur des activités possibles de terrain à propos de chaque grand sujet. Les sujets traités incluent notamment les animaux sauvages (volume 1), la survie des plantes et des animaux en hiver (volume 2), la vie aquatique et le concept de succession (volume 3), ainsi que la production de sirop d'érable (volume 4). Les deux sections sur l'eau expliquent le cycle de l'eau, l'érosion et les inondations (volume 2), ainsi que les écosystèmes d'eau douce (volume 3).
Bibliothèque: OONMNS

110 (F16208)

L'ami de l'écologie : trousse d'apprentissage sur les Grands Lacs * Direction des communications, Environnement Canada , Toronto, Ont ; Direction des communications, Ministère de l'Environnement de l'Ontario , Toronto, Ont * sd , 1 trousse (17 articles): ill; cartes; fiches; acétates; casse-tête; 1 affiche : coul, 400x360 cm

Cette trousse d'apprentissage sur la pollution des Grands Lacs est conçue à l'intention des élèves de la 4e à la 8e année. Elle contient des plans de cours, des fiches d'activités et de renseignements, ainsi que des cartes que l'enseignant peut reproduire. Les modules et les activités de la trousse peuvent être utilisés dans le cadre d'un cours spécifiquement consacré à la pollution dans les Grands Lacs, ou comme documentation d'appoint à intégrer aux autres programmes. Il faut de 2 à 3 semaines pour voir tout le contenu de la trousse. La trousse comprend du matériel audio-visuel ainsi qu'une affiche géante des Grands Lacs. Il y a trois grands chapitres: le premier, Des gens et des lacs, traite de l'utilisation de l'eau, des polluants et du cycle de l'eau; le second chapitre, L'équilibre de la nature, couvre les concepts d'écosystème, les effets néfastes de la pollution, les types de sol et leur utilisation; le dernier chapitre, Passons à l'action, traite des ordures ménagères, de l'élimination des déchets et de la production d'eaux usées.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00170F

Écoles secondaires, premières années

Guides pédagogiques

111 (F16076)

BILLINGTON, C. (éd) * **À la source de la conservation** (voir l'entrée n° 109 pour obtenir la référence complète)

112 (F16208)

L'ami de l'écologie : trousse d'apprentissage sur les Grands Lacs (voir l'entrée n° 110 pour obtenir la référence complète)

Éducation primaire

Feuillets d'information, brochures, dépliants

113 (F16091)
Environnement Ontario ***Envo dit : voici quelques faits intéressants à propos de l'eau** * Environnement Ontario , Toronto, Ont * 1990? * 4p

Ce feuillet humoristique s'adresse aux élèves de 5e et de 6e année primaire. On y montre l'importance des eaux douces, la façon dont la pollution crée les pluies acides et les effets de l'acidité sur la vie aquatique.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00208F; Également disponible gratuitement d'Environnement Ontario, Centre d'information, 135 avenue St Clair ouest, Toronto (Ont) M4V 1P5 (416) 323-4321

Niveaux intermédiaires

Feuillets d'information, brochures, dépliants

114 (F16204)
Environnement Ontario ***Environnement Ontario et la protection des eaux** = Environment Ontario water programs (voir l'entrée n° 93 pour obtenir la référence complète)

Enseignement secondaire

Livres, livrets

115 (F16128)
Environnement Canada ***Des eaux pures : vers l'assainissement de l'écosystème des Grands Lacs et du Saint-Laurent** (voir l'entrée n° 85 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

116 (F16207)
Environnement Ontario ***L'eau potable** =Drinking water (voir l'entrée n° 91 pour obtenir la référence complète)

117 (F16204)
Environnement Ontario ***Environnement Ontario et la protection des eaux** = Environment Ontario water programs (voir l'entrée n° 93 pour obtenir la référence complète)

118 (F16011)
Commission de planification de la régularisation de la rivière des Outaouais ***Gestion des eaux de la rivière des Outaouais** = Managing the waters of the Ottawa River (voir l'entrée n° 98 pour obtenir la référence complète)

119 (F16089)
Environnement Ontario ***Les pluies acides, un compte à rebours : les symptômes de l'acidification** (voir l'entrée n° 101 pour obtenir la référence complète)

Rapports descriptifs

120 (F16218)
YEE, P.; EDGETT, R.; EBERHARDT, A.* **Régulation des Grands Lacs et du fleuve Saint-Laurent : ce que cela signifie et comment cela fonctionne.** - Première édition (voir l'entrée n° 89 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

121 (F16011)
Commission de planification de la régularisation de la rivière des Outaouais ***Gestion des eaux de la rivière des Outaouais** = Managing the waters of the Ottawa River (voir l'entrée n° 98 pour obtenir la référence complète)

122 (F16211)
Environnement Canada, Conservation et Protection, Région du Québec, Centre Saint-Laurent ***Objectif: dépollution : les 50 usines prioritaires** * Centre Saint-Laurent, Conservation et Protection, Environnement Canada, Région du Québec , Montréal, Qc * mai 1990 * 8p

Ce feuillet d'information dresse un portrait général des 50 usines les plus polluantes du Saint-Laurent et du Saguenay, visées par le Plan d'action Saint-Laurent. Ces usines font partie de différents secteurs manufacturiers, surtout les pâtes et papiers, la métallurgie et la chimie. L'objectif du Plan d'action Saint-Laurent est de diminuer de 90%, d'ici 1993, la teneur en substances toxiques des rejets liquides des 50 usines prioritaires. On cherche ainsi à rendre compatibles les différentes utilisations du fleuve Saint-Laurent, notamment l'approvisionnement en eau potable, la consommation des produits de la pêche et les sports nautiques. Une carte en couleurs montre les multiples usages du fleuve Saint-Laurent, ainsi que la localisation des 50 usines prioritaires et leur classification.
Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00282F; Également disponible gratuitement de la Direction Connaissance de l'état de l'environnement, Centre Saint-Laurent, Conservation et Protection, Environnement Canada, 105 rue McGill, 4e étage, Montréal (Qc) H2Y 2E7 (514) 283-7000

123 (F16098)
Environnement Canada, Conservation et Protection, Centre Saint-Laurent ***Le Saint-Laurent : usages et environnement** (voir l'entrée n° 125 pour obtenir la référence complète)

124 (F16101)
Environnement Canada, Conservation et Protection, Région du Québec, Centre Saint-Laurent * **Le Saint-Laurent et le transport maritime : pour un juste équilibre** * Centre Saint-Laurent, Conservation et Protection, Environnement Canada, Région du Québec , Montréal, Qc * mai 1990 * 8p

Ce feuillet d'information montre à la fois la valeur unique du Saint-Laurent pour la navigation commerciale et les ressources uniques du fleuve qui doivent être protégées. Pour permettre le transport maritime, il a fallu modifier le fleuve en draguant un chenal de plus de 10 m de profond; de nombreux ports se sont développés sur les berges, générant des retombées économiques importantes. Cependant, le fleuve est jalonné d'écosystèmes dont la flore et la faune très diversifiées sont sérieusement perturbées par la pollution. Il faut également préserver la pêche commerciale, l'approvisionnement en eau potable et les activités récréatives. Les facteurs liés à la navigation qui menacent le milieu fluvial et ses usages incluent notamment la circulation de navires de fort tonnage, le déballastage, les déversements accidentels et le transport de marchandises dangereuses. Une carte illustre le double rôle du Saint-Laurent, qui constitue à la fois un couloir écologique et une route maritime.
Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00349F; Également disponible gratuitement de la Direction Connaissance de l'état de l'environnement, Centre Saint-Laurent, Conservation et Protection, Environnement Canada, Région du Québec, 105 rue McGill, 4e étage, Montréal (Qc) H2Y 2E7 (514) 283-7000

Cartes

125 (F16098)
Environnement Canada, Conservation et Protection, Centre Saint-Laurent ***Le Saint-Laurent : usages et environnement** * Conservation et Protection, Environnement Canada * 1990 * 7p

Ce dépliant fournit au grand public de l'information sur l'étendue de la pollution dans le Saint-Laurent et les causes de cette pollution. Une carte en couleurs souligne les zones de sédimentation, les courants de l'estuaire, les zones de pêche commerciale, les zones

industrielles prioritaires au niveau de l'assainissement des eaux, les prises d'eau potable, les secteurs d'intérêt biologique particulier, les ports commerciaux et de plaisance, ainsi que le degré de qualité de l'eau. On y discute des différentes initiatives fédérales et provinciales de lutte contre la pollution.
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00176F

Répertoires, catalogues

126 (F16104)
Ministère de l'Environnement du Québec, Direction des communications et de l'éducation * **Répertoire de matériel éducatif dans le domaine de l'environnement** * Direction des communications et de l'éducation, Ministère de l'Environnement du Québec * 1988 * 128p

Ce répertoire rassemble le matériel audio-scripto-visuel et informatisé produit par le ministère de l'Environnement du Québec, le ministère de l'Énergie et des Ressources, le ministère du Loisir, de la Chasse et de la Pêche, ainsi que le ministère de l'Éducation. Le répertoire est divisé en matériel didactique et en matériel utile, selon les ministères. Pour chaque article, on donne le titre du matériel, les objectifs, la description, le contenu, la clientèle, la distribution et les coûts. Un index thématique facilite l'accès à l'information du répertoire. Celui-ci s'adresse à tous ceux qui oeuvrent dans le domaine de l'éducation relative à l'environnement. Il a pour but de leur fournir des outils et d'élargir l'utilisation de ce matériel.
Bibliothèque: OONL

Enseignement secondaire

Feuillets d'information, brochures, dépliants

127 (F16011)
Commission de planification de la régularisation de la rivière des Outaouais ***Gestion des eaux de la rivière des Outaouais** = Managing the waters of the Ottawa River (voir l'entrée n° 98 pour obtenir la référence complète)

128 (F16098)
Environnement Canada, Conservation et Protection, Centre Saint-Laurent ***Le Saint-Laurent : usages et environnement** (voir l'entrée n° 125 pour obtenir la référence complète)

Cartes

129 (F16098)
Environnement Canada, Conservation et Protection, Centre Saint-Laurent ***Le Saint-Laurent : usages et environnement** (voir l'entrée n° 125 pour obtenir la référence complète)

Répertoires, catalogues

130 (F16104)
Ministère de l'Environnement du Québec, Direction des communications et de l'éducation ***Répertoire de matériel éducatif dans le domaine de l'environnement** (voir l'entrée n° 126 pour obtenir la référence complète)

Feuillets d'information, brochures, dépliants

131 (F16211)
Environnement Canada, Conservation et Protection, Région du Québec, Centre Saint-Laurent ***Objectif: dépollution : les 50 usines prioritaires** (voir l'entrée n° 122 pour obtenir la référence complète)

132 (F16101)
Environnement Canada, Conservation et Protection, Région du Québec, Centre Saint-Laurent * **Le Saint-Laurent et le transport maritime : pour un juste équilibre** (voir l'entrée n° 124 pour obtenir la référence complète)

Livres, livrets

133 (F16017)
Environnement Canada, Région de l'Atlantique * **Chez nous aussi : les produits chimiques toxiques dans la région de l'Atlantique du Canada** * Environnement Canada, Région de l'Atlantique , Dartmouth, NÉ * sd * 11p

La présente brochure informe le public sur les produits chimiques toxiques spécifiques à la région de l'Atlantique du Canada. On y définit ce que sont les produits chimiques toxiques et on donne des exemples. On décrit comment ces produits pénètrent dans l'environnement, quel est leur effet sur l'environnement et les solutions possibles. On y met en évidence le fait que tout Canadien peut contribuer à réduire la quantité de produits chimiques toxiques pénétrant dans l'environnement. Il lui suffit en effet d'utiliser et d'éliminer convenablement les pesticides, les combustibles et les préservatifs du bois. On montre aussi comment réduire la quantité de produits chimiques toxiques utilisée.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00110F

Feuillets d'information, brochures, dépliants

134 (F16216)
Environnement Canada, Direction générale des eaux intérieures ***Les eaux de surface et l'acidification dans les provinces de l'Atlantique** * Environnement Canada, Direction générale des eaux intérieures , Ottawa, Ont * 1991? * 6p

Ce dépliant montre que les provinces de l'Atlantique comptent parmi les régions qui reçoivent de fortes précipitations acides. De plus, elles sont exposées à une fonte rapide des neiges au printemps. La menace de l'acidification des eaux de surface est donc concrète et persistante. L'inventaire physique des eaux de surface de ces provinces a été effectué par l'analyse d'images transmises par satellite, à l'aide de systèmes d'information géographique de pointe. Le calcul des masses d'eau qui se trouvent dans des secteurs ayant une faible capacité de réduire l'acidité a permis de déterminer les ressources en eau de surface mises en péril par l'acidification. Le dépliant indique pour chaque province la répartition des masses d'eau en fonction de leur sensibilité.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00371F; Également disponible gratuitement de l'Informathèque, Environnement Canada, Ottawa (Ont) K1A 0H3 (819) 997-2800 (sans frais) 1-800-668-6767, TÉLÉC (819) 953-2225

135 (F16018)
Environnement Canada, Conservation et Protection ***Les effets des pluies acides sur les eaux intérieures des provinces de l'Atlantique** * Conservation et Protection, Environnement Canada, Région de l'Atlantique , Dartmouth, NÉ * 1988 * 6p

Ce feuillet destiné au grand public met en évidence l'étendue du problème des pluies acides dans les provinces de l'Atlantique. On y explique le processus d'acidification des eaux des rivières et des lacs, puis on montre que la poursuite des efforts de réduction des émissions acidifiantes aura un impact positif sur l'environnement, plus particulièrement sur les lacs en phase de transition.

Bibliothèque: OOFF

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00129F

Guides

136 (F14492)
Environnement Canada, Région de l'Atlantique, Sous-section des communications ***Ce que les Canadiens de la région de l'Atlantique peuvent faire pour leur environnement : une multitude de choses que les simples citoyens peuvent faire maintenant**. - Première édition * Environnement Canada, Région de l'Atlantique , Dartmouth, NÉ * janv 1989 * 50p

Cette publication a pour but de fournir des lignes directrices à tous ceux que la question écologique préoccupe. On y livre une foule de conseils pratiques à appliquer dans la vie quotidienne afin d'améliorer la qualité de l'environnement. On y rassemble en fait la liste complète des suggestions qui sont disséminées dans un grand nombre de publications distinctes. Les renseignements sont organisés en fonction des lieux où ils s'appliquent: à la maison, dans la cour, lorsqu'on fait ses courses, en automobile, au travail, à l'extérieur, au chalet et à l'école. Ce document ne traite toutefois pas des économies d'énergie, car il existe déjà des publications qui s'en chargent.

Bibliothèque: OOFF

Disponibilité: Disponible gratuitement de l'Agent des publications, Sous-section des communications du Ministère, Environnement Canada, Région de l'Atlantique, Square Queen, 15e étage, 45 promenade Alderney, Dartmouth (NE) B2Y 2N6 (902) 426-7990

Éducation secondaire débutants

Guides

137 (F14492)
Environnement Canada, Région de l'Atlantique, Sous-section des communications ***Ce que les Canadiens de la région de l'Atlantique peuvent faire pour leur environnement : une multitude de choses que les simples citoyens peuvent faire maintenant**. - Première édition (voir l'entrée n° 136 pour obtenir la référence complète)

Enseignement secondaire

Feuillets d'information, brochures, dépliants

138 (F16216)
Environnement Canada, Direction générale des eaux intérieures ***Les eaux de surface et l'acidification dans les provinces de l'Atlantique** (voir l'entrée n° 134 pour obtenir la référence complète)

139 (F16018)
Environnement Canada, Conservation et Protection ***Les effets des pluies acides sur les eaux intérieures des provinces de l'Atlantique** (voir l'entrée n° 135 pour obtenir la référence complète)

Éducation postsecondaire

Feuillets d'information, brochures, dépliants

140 (F16216)
Environnement Canada, Direction générale des eaux intérieures ***Les eaux de surface et l'acidification dans les provinces de l'Atlantique** (voir l'entrée n° 134 pour obtenir la référence complète)

283

Guides

141 (F14492)
Environnement Canada, Région de l'Atlantique, Sous-section des communications ***Ce que les Canadiens de la région de l'Atlantique peuvent faire pour leur environnement : une multitude de choses que les simples citoyens peuvent faire maintenant**. - Première édition (voir l'entrée n° 136 pour obtenir la référence complète)

284

Livres, livrets

142 (F14292)
Environnement Canada, Conservation et Protection; Ministère des Affaires municipales et de l'Environnement du Nouveau-Brunswick, Direction de la planification des ressources en eau ***La protection contre les inondations : comment protéger votre maison** = Floodproofing : protect your home against flooding * Environnement Canada, Conservation et Protection , Dartmouth, NÉ ; Direction de la planification des ressources en eau, Ministères des Affaires municipales et de l'Environnement du Nouveau-Brunswick , Fredericton, NB * 1989 * 17p

Cette brochure est conçue pour aider les habitants du Nouveau-Brunswick à choisir les méthodes de protection contre les inondations les plus appropriées à leurs besoins. Ces méthodes visent essentiellement les propriétés et bâtiments situés dans les limites d'un cours d'eau inondé où le courant est faible et le niveau peu élevé. Les mesures de protection permanentes consistent en barrières et matériaux d'étanchéisation, élévations sur remblais ou sur pieux et colonnes, et digues. Les mesures de protection provisoires décrites sont la construction de panneaux et portes étanches. Les mesures de protection d'urgence comprennent la construction de digues et l'accumulation de sacs de sable, ainsi que l'érection de murs temporaires. Ce guide explique aussi comment protéger l'équipement des bâtiments, et présente un tableau des méthodes de protection disponibles.

Bibliothèque: OOFF
Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00277

Affiches, tableaux

143 (F16099)
Environnement Canada ; Prince Edward Island Department of Community and Cultural Affairs * **L'eau : la resource la plus précieuse de l'Î.P.É.** * Environnement Canada, Dartmouth, NÉ ; Affaires communautaires et culturelles, Charlottetown, ÎPÉ * sd , 1 affiche : coul, 61x22 cm

Cette affiche en couleurs donne un aperçu général des ressources en eau de l'Île-du-Prince-Édouard, notamment l'eau qu'on retrouve dans l'atmosphère, les eaux de surface et souterraines, ainsi que les estuaires. On y décrit également les programmes instaurés dans le cadre de l'Entente Canada-ÎPÉ sur les ressources en eau, à savoir le programme sur les eaux souterraines, celui sur les eaux intérieures de surface, celui sur les eaux estuariennes, ainsi que le programme multisectoriel et de gestion intégré des ressources en eau.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00134F

Enseignement secondaire

Affiches, tableaux

144 (F16099)
Environnement Canada ; Prince Edward Island Department of Community and Cultural Affairs * **L'eau : la resource la plus précieuse de l'Î.P.É.** (voir l'entrée n^{o} 143 pour obtenir la référence complète)

ÉTATS-UNIS

Rapports descriptifs

145 (F16218)
YEE, P.; EDGETT, R.; EBERHARDT, A.*
Régulation des Grands Lacs et du fleuve Saint-Laurent : ce que cela signifie et comment cela fonctionne. - Première édition (voir l'entrée n° 89 pour obtenir la référence complète)

Éducation primaire

Matériel didactique

146 (F16274)
American Water Works Association ***L'histoire de l'eau potable*** * American Water Works Association , Denver, CO, US * 1991 * 15p

Ce livret illustré en couleur constitue un moyen à la fois amusant et efficace pour donner aux enfants d'âge scolaire des connaissances de base sur l'eau potable. On y définit ce qu'est l'eau et on décrit le cycle hydrologique. On explique également où on trouve l'eau douce, son épuration et sa distribution. Le livret est rempli d'anecdotes amusantes sur les usages de l'eau tout en fournissant de nombreuses suggestions sur la façon d'économiser cette eau. Ce document constitue un outil d'enseignement idéal lorsqu'il est utilisé avec les guides AWWA pour l'enseignant. Les versions anglaise et espagnole peuvent également servir à l'apprentissage de langues étrangères.

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00350F; Également disponible de l'AWWA, 6666 W Quincy Ave, Denver, CO, US 80235 (303) 795-2449, TÉLÉC (303) 794-7310

Niveaux intermédiaires

Matériel didactique

147 (F16274)
American Water Works Association ***L'histoire de l'eau potable*** (voir l'entrée n° 146 pour obtenir la référence complète)

Écoles secondaires, premières années

Matériel didactique

148 (F16274)
American Water Works Association ***L'histoire de l'eau potable*** (voir l'entrée n° 146 pour obtenir la référence complète)

Matériel didactique

149 (F16274)
American Water Works Association ***L'histoire de l'eau potable** (voir l'entrée n° 146 pour obtenir la référence complète)

AUTRES PAYS

Niveaux intermédiaires

Guides pédagogiques

150 (F16198)
CUSO, Comité de Carleton * **De l'eau pour Tonoumassé** (voir l'entrée n° 34 pour obtenir la référence complète)

INTERNATIONAL / MULTINATIONAL

Éducation primaire

Travaux créatifs (littérature, dessins humoristiques ..)

151 (F16275)
COLE, J. ***L'autobus magique et la classe à l'eau*** *
Scholastic-TAB Publications Ltd , Richmond Hill, Ont * 1987 * 39p

Cette histoire est racontée par des enfants de l'école primaire qui font un voyage imaginaire dans un autobus magique. Celui-ci est conduit par leur professeur, Mme Friselis. Le voyage met l'accent sur 10 caractéristiques de l'eau, qui sont expliquées en s'envolant dans les airs, les nuages et la pluie. Les enfants visitent le réservoir d'eau de la ville, les filtres de sables et graviers, ainsi que les bassins de décantation. Ils voyagent enfin dans les conduites maîtresses et les tuyaux menant jusqu'aux toilettes de l'école. Parmi les caractéristiques expliquées, on trouve le cycle de l'eau, l'épuration de l'eau, la pression d'eau dans les conduites et la qualité de l'eau. On y montre également l'importance de la conservation de l'eau.

Bibliothèque: AC

Disponibilité: Disponible de OOFF par prêt entre bibliothèques sous le numéro ESCE 00079F

INDEX

INDEX DES MOTS-CLÉS

A
abandon puits, 102
accord, 28
accord international, 8
acidification, 6 20 86 88 99 101 134 135
acidité, 20 86 101 134 135
affiche, 25 32 38 143
Afrique, 34
agriculture, 2 25
Alberta, 84
aménagement hydro électrique, 25
analyse sensibilité, 86
anhydride sulfureux, 6 99
approvisionnement eau, 21 28 34 56 122 151
aquiculture, 31
aquifère, 17 104
assainissement eau, 90

B
bactérie, 16
bande dessinée, 39
barème, 23
barrage, 10 89 98
bassin hydrographique, 10
biogéochimie, 95
biphényle polychloré, 77
BPC, 77

C
cahier exercice, 146
camping, 12 16
canal crue, 107
carte, 110
cartographie risque inondation, 7 107
casse-tête, 54
certificat autorisation, 102 105
chauffe-eau solaire, 3
chenal, 124
collecte donnée, 24
Colombie-Britannique, 77 78
Commission mixte internationale, 89
comportement poisson, 31
conservation, 2 24 109 113 133 136
conservation eau, 5 15 23 26-28 34 55 56 146 151
conservation énergie, 5
conservation faune, 30 32 109
conservation nature, 109
consommation eau, 24
construction, 102 105 106
contaminant rémanent, 77
contamination, 2 93 102
contrôle inondation, 98 107
contrôle pollution air, 8 26
contrôle pollution eau, 14 22 26 32 54 77 87 88 93 96 122 125
coût, 2 24
crue, 107
cycle hydrologique, 11 17 27 36 109 110 146 151

D
déballastage, 124
débit, 10 89 98
décharge océan, 22
déchet, 22
déchet dangereux, 26
déchet industriel, 4
déchet solide, 54
demande eau, 56
dépollution, 93 96 122
désinfection, 12
développement approvisionnement eau, 34
développement ressource eau, 56
développement terre, 78
déversement accidentel, 124
déversement déchet océan, 77
digue, 142
dioxine, 77
dioxyde soufre, 99
disponibilité eau, 28 34 151
distribution eau, 146
dommage inondation, 7 107
dragage, 124

E
eau consommation, 16
eau domestique, 3 92

INDEX DES MOTS-CLÉS

eau douce, 10
eau naturelle, 16
eau potable, 3 12 14 16 19 21 23 36 88 91-93 108 122 124 146
eau souterraine, 10 17 28 36 102-104 143
eau surface, 6 20 28 36 97 143
eau transfrontalière, 89 100
eau usée, 87 94 105 110 122
eau usée domestique, 94 106
ébullition, 16
échantillonnage, 20
échantillonnage eau, 86
école secondaire, 6
écologie, 109 136
économie, 4
écosystème, 28 85 99 109 110 124
écosystème aquatique, 20 24
écoulement eau souterraine, 17
écume, 97
éducation consommateur, 26 54 136
éducation eau, 10 11 14 15 27 30 32 34 36 39 55 91 109 110 113 146 151
éducation eau souterraine, 17
éducation élémentaire, 31 38 84
éducation environnement, 1 4 5 33 54 109 126
éducation préscolaire, 36
éducation primaire, 39 113 146 151
éducation public, 27 133
éducation secondaire, 1 4 91
éducation secondaire débutants, 30
effluent, 96 122
égout, 94 105 106
élément trace, 77
élimination déchet, 1 4 22 77 87 88 110
élimination eau usée, 105 106
emballage, 26
énergie, 3
énergie hydroélectrique, 89
énergie solaire, 3
enfouissement sanitaire, 4
enseignement postsecondaire, 20
enseignement secondaire, 20 54 55 93 101
entretien puits, 102
environnement, 4 33 126 136
environnement aquatique, 14 28 84 99 101 109
environnement marin, 22
Environnement Ontario, 93 108
épuration eau, 12 16 146 151
épuration eau usée, 94
érosion, 2 24 109
estuaire, 78 143
étanchéisation, 142
étang, 48
États-Unis, 8 85 89 100 146
étude sur modèle, 20
évaporation, 151
excursion, 109

F

faune, 30 32 78 84 109 124
filtration, 16
fleuve, 78
fleuve Saint-Laurent, 28 85 89 122 124 125
flore, 124
fluctuation niveau eau, 89
fonte neige, 6 134
forage, 102 103
forêt, 6 109
fosse septique, 105
furanne, 77

G

gestion déchet, 26
gestion eau, 4 13 15 22 24 27 28 56 93 96 108 125 143
gestion faune, 31
gestion poisson, 31
gestion qualité eau, 13 85 100
gestion ressource eau, 27 108
glace, 10
gouvernement fédéral, 1 7 24 56 90 100
gouvernement provincial, 1 7 56 90 100
Grands Lacs, 28 85 89 90 100 110
guide, 27
guide pédagogique, 30 32 33 34 109 110

H

habitat, 30
habitat aquatique, 32 48 78

habitat faune, 30
HAP, 77
historique, 91
hydrocarbure aromatique polycyclique, 77

I
Île-du-Prince-Édouard, 134-136 143
impact pollution eau, 77
information eau, 9-17 19 21-25 56 77 85 88 92 98 108 125 143
information eau souterraine, 102
information public, 6 8 27 86 87 94 97 103 104 106 133
inondation, 7 24 56 98 107 109 142
installation récréative, 12
inventaire physique, 134
irrigation, 9

J
jeu, 54 84
juridiction, 56

L
lac, 9 10 36 86 97 101 135
lac Astotin, 84
lac Harp, 95
lac Ontario, 89 100
lac Plastic, 95
lac Supérieur, 89
législation, 24
législation eau, 13
ligne directrice, 136
littérature enfantine, 33 36 151
lutte antipollution, 1 4 85 90 96 122 125

M
maison, 142
maîtrise crue, 107
marais, 48
marchandise dangereuse, 124
marécage, 48
marina, 87
matériel audio-scripto-visuel, 126
matériel dangereux, 5
matériel didactique, 31-33 55 84 109 110 126 146
matériel éducatif, 126
mesure protection permanente, 142
mesure protection temporaire, 142
mesure protection urgence, 142
métal lourd, 6 77
milieu humain, 6
milieu humide, 48
milieu marin, 77
milieu naturel, 6
moyen éducatif, 30
municipalité, 23 91 94 106

N
nappe phréatique, 104
navigation, 24 124
navigation plaisance, 87 88
neige, 10
nettoyage, 85 90 100
niveau eau, 10 89
niveau lac, 89
niveaux intermédiaires, 31-34 93 109 110 146
norme qualité eau, 14 19
Nouveau-Brunswick, 133-136 142
Nouvelle-Écosse, 133-136

O
obturation puits abandonné, 104
océan, 22 77
Ontario, 28 85-91 93-110
oxyde azote, 6

P
parc national Elk Island, 84
participation public, 5 26 48 90
pays en voie de développement, 34
pêche commerciale, 124
pêche sportive, 20
pénurie eau, 56
permis, 106
perte inondation, 7
pesticide, 88
pH, 6 20 86 101 134 135

INDEX DES MOTS-CLÉS

phosphore, 100
pisciculture, 31
plaine inondation, 107
plan assainissement, 90
pluie acide, 6 8 20 38 86 88 95 99 101 113 135
poisson, 6 31 88 93
politique, 24 136
politique eau, 13
polluant, 21 38 77 97 110
pollution air, 1 2 4 8 26 38 99 135
pollution bruit, 1 4
pollution eau, 1 2 4 6 14 22 24-26 28 31 38 39 54 56 77 85 87 88 90 93 96 97 100 102-104 110 122 124 125
pollution eau souterraine, 17
pompe, 34
port, 124
précipitation, 151
précipitation acide, 6 8 20 25 38 86 88 95 99 101 113 134 135
prélèvement eau, 15
pression eau, 151
prix, 23
prix eau, 23
production énergie, 3
produit chimique, 4 14 28 133
programme, 24 93
programme études, 34 109
propriété chimique, 11
propriété eau, 11
propriété physique, 11 28 36
protection environnement, 1 2 26 30 32 39 48 54 84 85 88 90 105 109 113 133 136
protection faune, 32
protection inondation, 107 142
puits, 34 102-104
puits foré tarière, 103
puits ordinaire, 103
purification eau, 12 16 92 108 146 151

Q

qualité eau, 5 9 12-17 19 21-25 28 30-32 38 39 86 88 90 91 93 95-97 100 103 110 113 122 125 135 151
qualité eau souterraine, 17
qualité environnement, 22 33 136
Québec, 28 85 89 98 122 124-126
question transfrontalière, 85

R

recommandation, 21
récréation, 9 12 16 20 25 88 124
récupération déchet, 54
recyclage, 5 26 54
réduction déchet, 5
règlement, 87 96 106
régularisation cours eau, 98
régulation, 89
rejet déchet, 24
rejet liquide, 122
répercussion environnementale, 1 2 4 25 38 77 78 88 95 99 110 133 135
répercussion pollution eau, 14 110
répertoire, 126
réserve eau, 23 103 104
réservoir, 10 98
ressource eau, 10 15 17 24 27 34 55 56 108 109 143
ressource naturelle, 55 89
restauration, 90
réutilisation eau, 15
risque santé, 9
rivière, 9 10 25 36 135
rivière des Outaouais, 98
rivière Saguenay, 122
roche en place, 20
ruissellement, 2

S

santé, 14 21
sédimentation, 125
sensibilisation public, 1-7 9 12 16 19-26 48 54 56 77 85 88-93 95 96 98-102 105 107 108 122 124 125 136 143
sensibilité, 20 134
SMID, 96
sol, 2 20
source pollution eau, 14 39 77 100 122 125
station épuration, 151
station vidange, 87
Stratégie municipale et industrielle de dépollution, 96
substance toxique, 6 14 28 85 93 122 133

système égout, 106
système information géographique, 134

T
tarif constant, 23
tarif dégressif, 23
tarif progressif, 23
tarif unique, 23
tarification, 23
tarification eau, 15
télédétection, 134
terrain humide, 32 48 78
terre humide, 48 78
Terre-Neuve, 134-136
Togo, 34
Tonoumassé, 34
tourbière, 48
toxicité, 96 122 133
traitement chimique, 16
traitement eau, 12 88 91 92 108 146
traitement eau usée, 1 94 105
transport grande distance polluant atmosphérique, 14
transport maritime, 124
transport sédiment, 2
trousse, 32-34 110

U
usage eau, 146
usine épuration, 106 108
usine polluante, 122
utilisation eau, 9 15 17 24 26-28 34 36 110 122 146
utilisation efficace eau, 15
utilisation terre, 78

V
végétation aquatique, 101
vidéocassette, 34 78
vie aquatique, 9 38 84 101 113
virus, 16
voie navigable intérieure, 13

Z
zone inondable, 107

INDEX DES AUTEURS

A
Agence canadienne de développement international (ACDI), 55
American Water Works Association, 146

B
BILLINGTON, C. (éd), 109

C
COLE, J., 151
Commission de planification de la régularisation de la rivière des Outaouais, 98
COOTE, D.R., 2
CUSO, Comité de Carleton, 34

E
EBERHARDT, A., 89
EDGETT, R., 89
Environnement Canada, 1 4 6 8 16 19 23 27 54 85 90 107 143
Environnement Canada, Bureau régional de l'Ontario, 100
Environnement Canada, Conservation et Protection, 10 11 14 15 17 22 28 38 135 142
Environnement Canada, Conservation et Protection, Direction générale des eaux intérieures, 13 134
Environnement Canada, Conservation et Protection, Région du Québec, Centre Saint-Laurent, 122 124 125
Environnement Canada, Direction de la qualité des eaux, 9
Environnement Canada, Direction générale des communications, 26
Environnement Canada, Direction générale des eaux intérieures et des terres, 20
Environnement Canada, Direction générale des eaux intérieures, Programme national de réduction des dommages causés par les inondations, 7
Environnement Canada, Direction générale des eaux intérieures, Région de l'Ouest et du Nord, 25
Environnement Canada, Région de l'Atlantique, 133
Environnement Canada, Région de l'Atlantique, Sous-section des communications, 136
Environnement Canada, Service canadien de la faune, 48
Environnement Ontario, 39 86-88 91 93 94 95 96 97 99 101 102 105 106 108 113
Environnement Ontario, Section des Grands Lacs, 90

F
Fédération canadienne de la faune, 30 32
Fondation Harmonie du Canada, 5

K
KAY, B.H., 77

M
Marbek Resource Consultants Ltd, 3
Ministère de l'Environnement de l'Ontario, 92 100
Ministère de l'Environnement du Québec, Direction des communications et de l'éducation, 126
Ministère de la Consommation et du Commerce de l'Ontario, 92
Ministère des Affaires municipales et de l'Environnement du Nouveau-Brunswick, Direction de la planification des ressourcess en eau, 142
Ministère des Richesses naturelles de l'Ontario, 107
MORRIS, W.V., 56

O
OJHA, B., 33

P
Parcs Canada, Région de l'Ouest, 84
Pêches et Environnement Canada, 24
Pêches et Océans Canada, 31
Prince Edward Island Department of Community and Cultural Affairs, 143

R
ROSS, M., 33

S
Santé et Bien-être social Canada, 16 19

Santé et Bien-être social Canada, Direction générale de la protection de la santé, 21
Santé et Bien-être social Canada, Direction générale de la protection de la santé, Direction de l'hygiène du milieu, 12
SHAPP, C., 36
SHAPP, M., 36
SWITZER-HOWSE, K.D., 2

W
Waterhen Film Productions, 78

INDEX DES TITRES

A
À la source de la conservation, 109
L'ABC... de la pollution, 1
Acco_Ux,ô"qualité de l'air, 8
Agriculture et conservation de l'environnement, 2
L'ami de l'écologie : trousse d'apprentissage sur les Grands Lacs, 110
Assainissons ensemble les Grands Lacs : plan d'assainissement, 90
Atout-faune : guide des activités, 30
L'autobus magique et la classe à l'eau, 151

C
Ce que les Canadiens de la région de l'Atlantique peuvent faire pour leur environnement : une multitude de choses que les simples citoyens peuvent faire maintenant, 136
Ce que nous pouvons faire pour l'environnement : des centaines d'idées pratiques, 26
Cette eau ... comporte-t-elle des risques? [illegible]9
Le chauffe-eau solaire : guide de l'acheteur, 3
Chez nous aussi : les produits chimiques toxiques dans la région de l'Atlantique du Canada, 1[illegible]
Conte du vendredi, 31

D
De l'eau - ici, là-bas, partout de l'eau, 1[illegible]
De l'eau pour Tonoumassé, 34
Des eaux pures : vers l'assainissement de l'écosystème des Grands Lacs et du Saint-Laurent, [illegible]5

E
L'eau, 55
L'eau - cette magicienne de la nature, 11
L'eau : la resource la plus précieuse de l'I.P.E., 143
L'eau : pas de temps à perdre : la conservation de l'eau, guide du consommateur, 27
L'eau : source de vie, 56
L'eau consommée à l'extérieur du foyer, 12
L'eau du Canada : l'avenir du Canada, 13
L'eau potable, 91
Eau potable? Conseils au consommateur sur l'utilisation des dispositifs d'épuration de l'eau à domicile, 92
L'eau propre - la vie en dépend!, 14
L'eau travaille pour nous!, 15
L'eau, de la vie en nature!, 32
L'eau, source de vie : parc national Elk Island, 84
Les eaux de surface et l'acidification dans les provinces de l'Atlantique, 134
Les eaux naturelles : guide pour la consommation de l'eau dans la nature, 16
Les eaux souterraines - trésors cachés de la nature, 17
L'écolo en herbe, 54
Les effets des pluies acides sur les eaux intérieures des provinces de l'Atlantique, 135
L'environnement a besoin de vous, 4
Environnement Ontario et la protection des eaux, 93
Envo dit : voici quelques faits intéressants à propos de l'eau, 113
Envo et Enva descendent sur terre pour vérifier la qualité de l'eau, 39
L'épuration des eaux d'égout, 94
Les estuaires du Pacifique : où les fleuves joignent la mer, 78
Étude des précipitations acides aux lacs Plastic et Harp, 95

F
Feuillet d'information sur la SMID : prévenir la pollution de l'eau, 96
Formation d'écume sur les eaux superficielles de nos lacs : un phénomène tout à fait naturel, 97

G
Gestion des eaux de la rivière des Outaouais, 98
Guide pour la famille et la maison : la protection de l'environnement au quotidien, 5

H
L'histoire de l'eau potable, 146

I

Il faut intensifier la lutte contre les pluies acides, 99

J

Je me renseigne sur l'eau, 36
Jiksituik : écoutez mon histoire, 33

M

Les milieux humides, 48

N

Notions élémentaires sur l'eau : questions et réponses, 28
Notre eau comporte-t-elle des risques?, 19

O

Objectif: dépollution : les 50 usines prioritaires, 122
L'odyssée des pluies acides, 6

P

Le phosphore, 100
Pluies acides, 38
Les pluies acides : une évaluation nationale de la sensibilité, 20
Les pluies acides, un compte à rebours : les symptômes de l'acidification, 101
Les polluants dans le milieu marin de la Colombie-Britannique, 77
Pour une réduction des pertes dues aux inondations, 7
La protection contre les inondations : comment protéger votre maison, 142
Puits d'eau en Ontario : renseignements importants sur la construction d'un puits, 102

R

Recommandations pour la qualité de l'eau, 21
Régulation des Grands Lacs et du fleuve Saint-Laurent : ce que cela signifie et comment cela fonctionne, 89
Répertoire de matériel éducatif dans le domaine de l'environnement, 126
Le Saint-Laurent : usages et environnement, 125
Le Saint-Laurent et le transport maritime : pour un juste équilibre, 124
Santé de nos océans : aperçu de la qualité du milieu marin du Canada, 22
Sensibilité des lacs de l'Ontario aux dépôts acides, 86
Les stations de vidange, 87
Les systèmes à fosse septique, 105
Systèmes d'évacuation des classes 1, 2 et 3, 106

T

La tarification de l'eau dans les municipalités canadiennes : méthodes et barèmes actuels de tarification, 23

U

Une nouvelle solution pour un vieux problème : le programme de réduction des dommages causés par les inondations Canada/Ontario, 107
Une ressource vitale : déclaration de la politique fédérale sur les eaux intérieures, 24
Une rivière assiégée, 25
Les usines de traitement de l'eau, 108

INDEX DES PUBLICS CIBLES

ENSEIGNANTS
- Québec, 126
- **Éducation secondaire débutants**
  - Canada, 30
- **Éducation élémentaire**
  - Canada, 31
- **Niveaux intermédiaires**
  - Canada, 32-34
  - Ontario, 109 110
  - Togo, 150
- **Écoles secondaires, premières années**
  - Ontario, 111 112
- **Écoles secondaires**
  - Canada, 35

ÉTUDIANTS
- **Éducation préscolaire**
  - Canada, 36
- **Éducation secondaire débutants**
  - Canada, 37
  - Région de L'Atlantique, 137
- **Éducation élémentaire**
  - Canada, 38
  - Région de L'Ouest et du Nord, 84
- **Éducation primaire**
  - Canada, 39
  - Ontario, 113
  - États-Unis, 146
  - International/Multinational, 151
- **Niveaux intermédiaires**
  - Ontario, 114
  - États-Unis, 147
- **Enseignement secondaire**
  - Canada, 40-55
  - Colombie-Britannique, 79 80
  - Ontario, 115-119
  - Québec, 127-129
  - Région de L'Atlantique, 138 139
  - Île-du-Prince-Édouard, 144
- **Écoles secondaires, premières années**
  - États-Unis, 148
- **Écoles secondaires**
  - Canada, 56
- **Enseignement postsecondaire**
  - Canada, 57-64
  - Colombie-Britannique, 81 82
  - Région de L'Atlantique, 140

GRAND PUBLIC
- Canada, 1-29
- Colombie-Britannique, 77 78
- Ontario, 85-108
- Québec, 120-125
- Région de L'Atlantique, 133-136
- Nouveau-Brunswick, 142
- Île-du-Prince-Édouard, 143
- États-Unis, 145

GROUPES, ASSOCIATIONS ...
- Canada, 65-75
- Colombie-Britannique, 83
- Québec, 130-132
- Région de L'Atlantique, 141
- États-Unis, 149

RESPONSABLES DES PRISES DE DÉCISION, GESTIONNAIRES
- Canada, 76

INDEX DES TYPES DE DOCUMENTS

ARTICLES DE REVUES
Canada, 29 56

DOCUMENTS NON IMPRIMÉS

Affiches, tableaux
Canada, 38
Île-du-Prince-Édouard, 143 144

Cartes
Québec, 125 129

Matériel audiovisuel
Colombie-Britannique, 78 80 82 83

FEUILLETS D'INFORMATION, BROCHURES, DÉPLIANTS
Canada, 8-25 43-51 57-62 65-71 76
Ontario, 90-108 113 114 116-119
Québec, 121-124 127 128 131 132
Région de L'Atlantique, 134 135 138-140

GUIDES
Canada, 26-28 37 52 53 63 64 72-74
Région de L'Atlantique, 136 137 141

Matériel didactique
Canada, 32 33 54 146-149

Guides pédagogiques
Canada, 30 34 75
Ontario, 109-112
Togo, 150

LIVRES, LIVRETS
Canada, 1-7 35 40-42
Colombie-Britannique, 77 79 81
Ontario, 85-88 115
Région de L'Atlantique, 133
Nouveau-Brunswick, 142

RAPPORTS

Rapports descriptifs
Ontario, 89
Québec, 120
États-Unis, 145

RÉFÉRENCES

Répertoires, catalogues
Québec, 126 130

TRAVAUX COLLECTIFS

Périodiques, revues
Canada, 55

TRAVAUX CRÉATIFS (LITTÉRATURE, DESSINS HUMORISTIQUES)
Canada, 31 36 39
Région de L'Ouest et du Nord, 84
International/Multinational, 151

ADRESSES

AC
Interlibrary Loans
Calgary Public Library
616 MacLeod Trail S.E.
Calgary, Alberta
T2G 2M2

Tél. : (403) 260-2722

OKQ
Interlibrary Loans
Douglas Library (4-OKQ)
Queen's University
Kingston, Ontario
K7L 5C4

Tél. : (613) 545-2526

OOFF
Prêts entre bibliothèques
Bibliothèque du ministère
(OOFF)
Environnement Canada
Ottawa (Ontario)
K1A 0H3

Tél. : (819) 997-2580

OON
Prêts entre bibliothèques
ICIST, bibliothèque principale
Conseil national de recherches
Canada
Édifice M-55
Ottawa (Ontario)
K1A 0S2

Tél. : (613) 993-1814

OONL
Prêts entre bibliothèques
Bibliothèque nationale du
Canada
395, rue Wellington
Ottawa (Ontario)
K1A 0H4

Tél. : (613) 996-3566

OONMNS
Prêts entre bibliothèques
Bibliothèque (OONMNS)
Musée canadien de la nature
C.P. 3443, Succ. D
Ottawa (Ontario)
K1P 6P4

Tél. : (613) 998-3923

OOP
Prêts entre bibliothèques
Bibliothèque du Parlement
Édifice du Parlement
Rue Wellington
Ottawa (Ontario)
K1A 0A9

Tél. : (613) 995-7508

CINÉMATHÈQUE DE L'ONF

ALBERTA
222, 1re Rue s.-e.
C.P. 2959, Succ. M
Calgary, Alberta
T2P 3C3

Tél. : (403) 292-5414

Place du Canada
9700, avenue Jasper, Bureau 120
Edmonton, Alberta
T5J 4C3

Tél. : (403) 420-3010

COLOMBIE-BRITANNIQUE
1045, rue Howe, Bureau 100
Vancouver, C.-B.
V6Z 2B1

Tél. : (604) 666-0716

1412, rue Douglas
Victoria, Colombie-Britannique
V8W 2G1

Tél. : (604) 388-3868

ILE-DU-PRINCE-ÉDOUARD
202, rue Richmond
Charlottetown, I.-P.-É.
C1A 1J2

Tél. : (902) 368-4641

MANITOBA
245, rue Main
Winnipeg, Manitoba
R3C 1A7

Tél. : (204) 983-4131

NOUVEAU-BRUNSWICK
Édifice Terminal Plaza
1222, rue Main
Moncton, Nouveau-Brunswick
E1C 1H6

Tél. : (506) 857-6101

a/s Bibliothèque régionale de
Saint John
1, Market Square
Saint John, Nouveau-Brunswick
E2L 4Z6

Tél. : (506) 648-4996

NOUVELLE-ÉCOSSE
1572, rue Barrington
Halifax, Nouvelle-Écosse
B3J 1Z6

Tél. : (902) 426-6001

University College of Cape Breton
Grace Bay/Sydney Highway
C.P. 7770
Sydney, Nouvelle-Écosse
B1P 6K7

Tél. : (902) 564-7770

ONTARIO
Édifice Mackenzie
1, rue Lombard
Toronto, Ontario
M5C 1J6

Tél. : (416) 973-9110/9093

150 rue Kent
Ottawa, Ontario
K1A 0M9

Tél. : (613) 996-4861

Édifice du Gouvernement
du Canada
120, rue Clarence, Bureau 277
Kingston, Ontario
K7L 1X0

Tél. : (613) 545-8056

659, rue King est, Bureau 207
Kitchener, Ontario
N2G 2M4

Tél. : (519) 743-4661

195, 1re Avenue ouest
North Bay, Ontario
P1B 3B8

Tél. : (705) 472-4740

366, rue Oxford est
London, Ontario
N6A 1V7

Tél. : (519) 679-4120

QUEBEC
Complexe Guy-Favreau
Tour est, Bureau 005
200 boul. René-Lévesque ouest
Montréal, Québec
H2Z 1X4

Tél. : (514) 283-4823

350, rue Saint-Joseph est
Québec, Québec
G1K 3B2

Tél. : (418) 648-3852

165, rue Bank
Sherbrooke, Québec
J1H 1G8

Tél. : (819) 822-6019

1225, Place de l'Hôtel de Ville
Trois-Rivières, Québec
G9A 5L9

Tél. : (819) 342-4630

207, avenue de la Cathédrale
Rimouski, Québec
G5L 5J1

Tél. : (418) 722-3086

74, rue Taschereau est
Rouyn-Noranda, Québec
J9X 3E4

Tél. : (819) 762-6051

530, rue Jacques-Cartier est
Chicoutimi, Québec
G7L 1Z5

Tél. : (418) 543-0711

SASKATCHEWAN
424, 21e Rue est
Saskatoon, Saskatchewan
S7K 0C2

Tél. : (306) 975-4245

TERRE-NEUVE
Édifice 105, Pleasantville
St. John's, Terre-Neuve
A1A 1S8

Tél. : (709) 772-5005

Si vous habitez à l'extérieur d'une de ces villes, utilisez le système d'appel inter-urbain sans frais.

Provinces atlantiques : 1-800-561-7104
Québec : 1-800-363-0328
Ontario : 1-800-267-7710
Ouest du Canada, Yukon et Territoires du Nord-Ouest : 1-800-661-9867

BUREAUX DE L'ONF À L'ÉTRANGER

ÉTATS-UNIS

1251 Avenue of the Americas
16th Floor
New York, New York 10020

Tél. :(212) 586-5131
Télex. : 00-126242
Téléc. : (212) 575-2382

EUROPE ET ASIE

1, Grosvenor Square
London England
W1X 0AB

Tél. :(01) 629-9492 Ext. 480
Télex. : CDALDN 2261592
Téléc. : (44)-1-491-3968

EUROPE ET AFRIQUE DU NORD

15, rue de Berri
75008 Paris
France

Tél. :43.59.18.60
Télex. : DOMCAN A,B,C280806
Téléc. : (33)-1-45.61.91.67